



UNIVERSITY OF ALBERTA

# folio

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## Cultivating friendship

**Professor emeritus recognized by Chinese government for enhancing the lives of farmers**

By Caitlin Crawshaw

A professor who successfully wed environmental and economic interests to improve life for impoverished Chinese farmers has been awarded the Friendship Award from the Chinese government.

"I cannot receive this as an individual. I have to make it clear that there are very, very many teammates responsible for this accomplishment, and I am accepting this award on behalf of all of them."

— Dr. Larry Wang

At a Beijing ceremony at the end of September, University of Alberta professor emeritus from the Department of Biological Sciences Dr. Larry Wang received the prestigious award that is only given to 50 people annually. Wang received the award for a number of highly successful pilot projects he headed at various farming communities along China's Yangtze River.

The work began in 1999, when Wang and childhood friend Sam Chao founded the U of A-based Ecological Conservancy Outreach Fund (ECO Fund).

*Continued on page 2 ▶*



PHOTO BY

Dr. Larry Wang beside the upper Yangtze River in Shuihu County, Yunnan Province, where the ECO Fund team planted bamboo trees along the river banks to stop soil loss.



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# Japan honours former U of A president

**Dr. Rod Fraser is the only Canadian this year to be decorated by the Order of the Rising Sun**

By Caitlin Crawshaw

A former University of Alberta president is the only Canadian this year to be honoured with the Order of the Rising Sun, Gold Rays with Neck Ribbon for his work building connections between Canada and Japan.

Dr. Rod Fraser was honoured on Sept. 22 with the award from the government of Japan. The award is the country's second most prestigious decoration. Fraser was one of 49 non-Japanese citizens to receive the award this year.

"To be recognized by another country for the work that you've been doing in trying to build relationships with Canada – and in this case Japan – is extraordinarily heartwarming," said Fraser, who served as president of the U of A from 1995 - 2005.

During his presidency, Fraser fostered many friendships in Japan, resulting in a

number of Japanese programs and initiatives at the U of A including: the development of the Prince Takamado Japanese Culture Memorial Fund; the creation of a new position in the Japanese language program; a U of A-hosted international conference on Japanese literature; and an e-learning lecture series with Meiji University.

In addition to this, Fraser's efforts expanded university programs, resulting in 200 Japanese students attended the U of A's English as a Second Language (ESL) summer language institute at the Faculty of Extension, as well as the creation of the Visiting Student Certificate program, offering 25 - 40 Japanese students ESL and academic experience.

Fraser initiated partnerships between the U of A and many Japanese universities and agencies, including Chiba University, Health Sciences University of Hokkaido, Hokkaido University, Meiji Pharmacy University, Meikai University, Nagoya University of Commerce and Business Administration and many others.

Fraser says his work was motivated by a strong belief in the political importance of building relationships with the Asia Pacific region.

"First of all, with regard to the U of A, and our student body and our faculty and staff, the Asia Pacific is extraordinarily important to us over this next century or more. So while we may have had our attention more firmly riveted on Europe and the United States, as our world evolves, the political, cultural, economic power of the Asia Pacific is just growing by leaps and bounds," said Fraser.

"I think it's very important for our students particularly to have a sense of the nature of that part of the world."

Canadians must overcome the attitude that Japan is far-away from Canada and has a limited effect on us, he said. Fraser added that Canada has some important things in common with Japan.

"It struck me on several occasions that there's this analogous relationship that Japan has to China which is similar to what we have with the United States," he said.



Dr. Rod Fraser and Consul General Soemu Horie.

## The foundation of the U of A's relationships with Japan stretch back almost 80 years to the year Kurimoto graduated.

— Dr. Rod Fraser

1928 to study in Edmonton. In 1930, with the global economy in ruins, Kurimoto returned home and dedicated his life to advancing education. Kurimoto founded three schools, including the Nagoya University of Commerce and Business Administration.

"The foundation of the U of A's relationships with Japan stretch back almost 80 years to the year Kurimoto graduated," he said.

"In other words, (earning the award) is not just a Rod Fraser event. It's an event that I think celebrates what I'd call a rich mosaic of relationships that we have with Japan today." ■

## folio

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## Cultivating friendship

The first donation came from Chao himself, who donated his life savings – \$1 million – towards cleaning up the Yangtze River, which had become polluted since his boyhood days.

The first projects involved planting different types of trees along the Yangtze River, in areas where farmers once grew wheat and other crops that were regularly decimated by rain during monsoon season. Over time, incredible amounts of soil had been washed into the Yangtze River, polluting its waters.

Recognizing the effects of these farming practices on the environment, the Chinese government tried to curb them, but didn't offer farmers living along the Yangtze River an alternative means to make a living.

So, in 2000, the researchers involved in the ECO Fund created a national test site, and put their heads together to find a solution for farmers.

"We decided collectively to plant mulberry trees, instead of corn," Wang said, adding that there are many advantages to planting the fast-growing tree.

"It holds the soil very well in the first year. And you can pick the leaves, and the leaves can be used to raise silkworms by the women of the home."

The idea behind that first project was very simple, yet it has had a transformative effect on the welfare of farmers. Not only

is silk a more valuable product than corn or wheat, it is very low-maintenance. As a result, men had time to take jobs to supplement the family income and the women managing the silkworm production were only required to work four months of the year.

"All of a sudden their income began to double and triple," he said. "Even by the end of the first year, the farmers' income had increased 40 per cent from their corn-planting years."

Soon neighbouring farmers found out about the project and were eager to participate.

"And they all got rich and very happy," Wang said

Since the start of the project, the coastal provinces that once produced most of the country's silk began producing less, as increasing property values made production expensive. It has since moved into China's interior, where Wang's pilot project was conducted.

"This is a very interesting economic shift, and it's totally sustainable. And the ecological benefits are very prominent," he said.

ECO Fund has supported a number of other projects since then, at the cost of \$250,000 each, including a bamboo pilot project. After two years of cultivation, the plants yield shoots that can be harvested

three to four times a year at two or three times the price of rice.

Another project transformed the ecology of a desert-like area near Beijing, which was contributing to severe sandstorms that had the power to disable the city's activity, grounding air traffic. The project involved covering the sandy area with soil dug up during nearby apartment construction.

The team planted 660,000 trees of 75 different species to ensure biodiversity and to bring colour and beauty to the area. The area has since become a tourist spot where people stop en route to the Great Wall of China.

Wang, who abides by a teach-a-man-to-fish philosophy, says the projects indicate that money isn't the biggest component of success. A few good ideas, a committed team of volunteers and generous donors have worked together to produce "grassroots-based success."

"The key is that we did it as a demonstration that this model can be duplicated in different parts of China," he said.

And Wang is quick to add that the Friendship Award belongs to everyone involved in ECO Fund.

"I cannot receive this as an individual," said Wang. "I have to make it clear that there are very, very many teammates responsible for this accomplishment and I am accepting this award on behalf of all of them." ■

# Study gives book-learning an A+

**Research shows that students who read the textbook make the grade**

By Zoltan Varadi

Booksellers aren't about to try and convince students that what they're offering doesn't cost a whole lot, but the University of Alberta bookstore is trying to get students and faculty alike to rethink the value of these often hefty investments.

"Yes, they're expensive, but so is education," said bookstore manager Todd Anderson. "It's like buying a brand new Volvo and not getting any oil for it. You need to use these things."

Recently, in an effort to re-evaluate how to communicate their product value, the bookstore conducted a survey looking for hard data that marks the correlation between how a student uses a text and their grade-point average (GPA). Not surprisingly, there was a positive correlation between reading all course materials and earning a higher mark: students who used the text earned a GPA 0.316 points greater than those who did not. As the study points out, that number could mean the difference between a B and B+.

However, another portion of the study did yield some unexpected results, said Sasha Musat, the fourth-year business student who designed and carried out the survey as part of an internship.

"I took into account all the extra materials that come with textbooks to see if that had an impact. I think the goal was to say, 'These are very expensive, but they are useful to your education.' But we actually found the opposite in some cases."

Indeed, Musat's findings revealed that there was actually a negative correlation between GPA and the use of extraneous materials such as study guides and CD-ROMs – as much as to the tune of 0.136 points lower.

"We think that there are two main reasons that we can agree upon about why that might be," said Musat.

"We thought that students who have problems in school are drawn to using the study guides and some of the extra materials for extra help, and, also, often the study guides aren't very representative of what is taught in the course and aren't as good as just drawing on the notes and the professor."

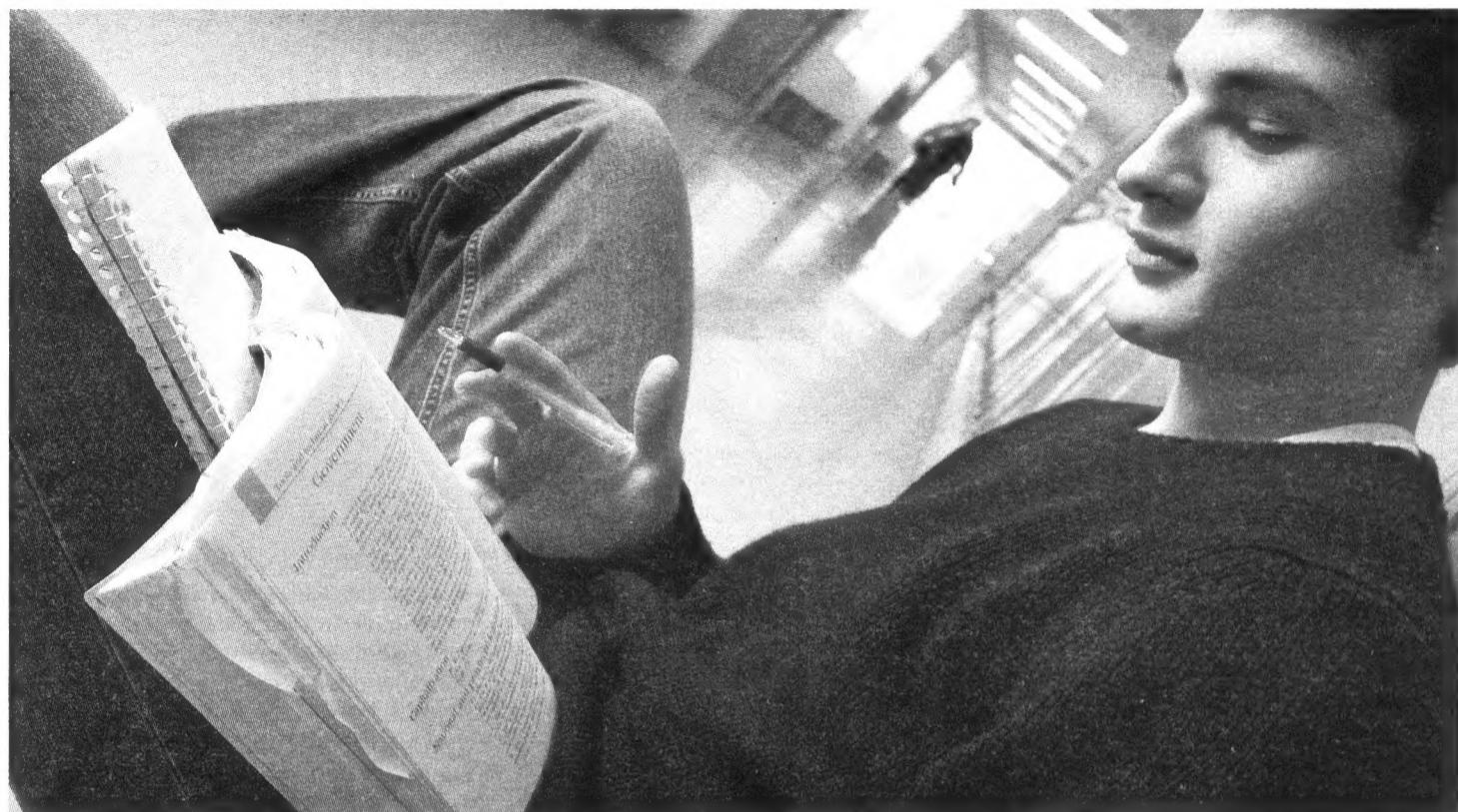
Anderson noted that this is particularly interesting given that publishers are taking a lot of heat for the additional study materials packaged with textbooks that drive up the prices of books.

"It's not a real strong correlation, but it does show a correlation between this stuff not helping, and if it drives the price up, why are you doing it?"

While Musat says publishers likely weren't "very happy" with this piece of data, Anderson believes if they heed the findings, they could turn it to their advantage. They could, for instance, put out a \$95 book without extras to compete with a \$150 packaged bundle from another publisher.

"That's \$55 profit – enough to make a prof raise their eyebrows and say, 'Wait a minute, we don't need all that stuff – my students can get by with this,'" said Musat.

"So, if I was a publisher and I was sell-



ing a book to a prof, I could talk about the benefits of the book itself and look at my competitors who are selling all this other stuff that may or may not help and that students may or may not use. I could sell the book alone and win on price."

Of the all other extra materials looked at in the study, only supplemental readings showed a positive correlation. But other, often newer, bells and whistles like online study guides, message boards, flashcards, or even old exams, showed either no significant correlation or negative correlation to the students' GPAs, further supporting the case for traditional reading materials.

"The textbook is still the tool for 98 per cent of the cases and it works well, like you've seen in the research. When the students and the prof use it well, it's a valuable tool. There are some digital movies, online testing that they sell as a supplement to a textbook, and that stuff seems to be the best value added from a student's point of view and from a publisher's point of view," said Musat.

"The students are coming here and buying it, so we're seeing a huge sell-through on it. The online testing and those components that are built into the academic plan – that stuff is working well. The other stuff is just kind of sidelines that aren't working so well. Although a supplemental website is nice, it might not be something students are going to visit."

However, Musat points out that more cross-faculty analysis may be needed on this point. While on average the results show a negative correlation, some of the tools have proved useful in specific courses.

"We saw that [flashcards] were helpful to anatomy and pharmacy classes. In some classes, straight memorization is what you need to do and for other courses you can't just memorize material and walk into the exam – there's a lot more synthesis you

need to do. Like for math: you can't just memorize all the theorems and expect to do well on the exam."

Both Anderson and Musat agree though that when it comes to making the grade in university, students need to know that the text makes all the difference. While it may seem a no-brainer, market trends show that the prices of texts will only be going up while purchasing continues to decline.

"We want to make sure that they understand that although it is expensive, it's worth it," said Anderson.

"You're protecting an investment. You're going to spend a lot of money on education – go to class, do the work and read the book." ■

**"Yes, (books are) expensive, but so is education. It's like buying a brand new Volvo and not getting any oil for it. You need to use these things."**

– Todd Anderson

## How important are textbooks to your learning experience?



**Donovan Krilo**

*I don't think it's worth the money for some of the textbooks. Some of the textbooks I've purchased have been, like, \$120, and they're not worth that at all. I personally like the study guides and the little CD-ROM things that come with it. I think if you're going to pay \$120, you might as well get the study guide.*



**Michelle Seelochan**

*If I miss something in a lecture, I go to the text. I just look at the textbook as supplemental – I don't get my information from there.*



**Ashley Spurgeon**

*I don't use the study guides at all, but I do think it's important to have your textbook. I think they're way too expensive right now – it's ridiculous. But I'd rather fork out the money and pay for the textbooks than struggle through the year without it.*



**Matthew Milen**

*I think textbooks are overpriced, especially for the amount that I'm using them. A lot of the books I'm buying I just need two or three chapters. A lot of it is bulls\*\*\*\*. With the study guides, I find they dumb them down to the degree that they're not applicable to the classroom. You need more than basic knowledge to get a higher grade.*



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# Life signs will be heard from the top of the world

Device transmits a patient's vital signs over the Internet

By Ileiren Byles

In these days when information can travel across the world in a heartbeat, a pulse will travel across the world just as quickly.

A new tele-health device designed and developed at the University of Alberta will make sure that researchers in Edmonton can monitor climber Martin Lebeuf's every heartbeat as he climbs Mount Kilimanjaro. Lebeuf, an employee with the Canadian Space Agency, will be tackling the 4,600-metre mountain in November for an Arthritis Society fundraising. He's excited about the possibilities posed by the watch-sized contraption.

"I think if we could prove that this will work, it will open the door for many applications. I've been in Nunavut several times, and I see a lot of applications for that, for remote communities," said Lebeuf. "There might be some application for people with medical conditions who want to do some outdoor activities but are scared of being away from home. Also, I can foresee interesting implications in space. You never know."

The device, a wireless wearable physiological monitor (WWPM), can be used to track and transmit a patient's vital signs to his or her physician or other health-care provider over the Internet. Using leading-edge sensor technology it can provide information about the wearer's physical state, such as blood pressure and pulse. It will also alert health-care providers when intervention is needed or to prompt patients to take necessary actions (i.e. reminder to take medications).

Dr. Masako Miyazaki, principal investigator on the WWPM from the U of A

Faculty of Rehabilitation Medicine, said developers are especially proud of the gadget's simplicity.

"Capital Health was very helpful in creating a system that is user-friendly, without too many wires, so elderly patients can use it and stay the rest of their lives in their own homes and communities," she said. "The fact that it's designed like a watch, means it's wearable. It's something even patients with dementia will not remove - anything that feels different, like a ring or necklace, they try to remove it."

Preliminary testing with patients has received positive feedback, said Miyazaki.

"Users are very happy that it's not intrusive, and they get peace of mind. We're very, very proud that, behind this simplistic device a lot of sophisticated technology has been embedded. This is just the beginning. This is going to continue to become smaller and sophisticated."

Development of the WWPM was a model of interdisciplinary work, said Miyazaki, with help from U of A computer sciences and electrical engineering experts, Capital Health and Japan's Sapporo Medical University.

Lebeuf will also carry with him a wireless station, which will collect data from the wristwatch monitor, and a satellite telephone, which will send the data back to Edmonton.

"This is the only tele-health device, to my knowledge, that allows a hospital to communicate with a patient in a remote location," he said. "I think it's absolutely incredible to have this kind of technology developed here in Canada." ■

# opinion guest column

## Alternatives to mandatory retirement at the University of Alberta

Professors who want to can still contribute

By Joseph M. Kirman

A retired professor cynically noted that, "At the University of Alberta you'll receive a plaque for 25 years of service, a clock for 30 years of service and a boot at 65." This reflects the attitude of those professors who must retire at 65, but enjoy their work, maintain excellence, are highly motivated and don't want to retire. Most staff wish to retire, some early, and do something else - some can't wait to leave. This was expressed in a retirement manual with the words "Free at last" in its introduction. Those who enjoy university work and professional camaraderie enough to remain are a small minority, and that is not our attitude.

Mandatory retirement at 65 is age discrimination. It was only because the Supreme Court of Canada agreed to an exception that universities could do it. But the University of Alberta administration, responsible for continuing mandatory retirement, did so quite bluntly without looking for reasonable alternatives.

Some claim mandatory retirement gently releases older staff as they face age-related disabilities. But there are ways for dealing with declining abilities that are gentle and humane and this also includes younger staff with such problems. Why penalize senior staff who can do the job?

If you are fortunate to be in a generous and understanding department and wish to continue your writing and research, your department can provide space for you, subject to faculty needs. It may be possible to do sessional teaching and graduate supervision. But you are out of the decision-making loop, the health plan, have no professional allowance, no travel funds, must avoid becoming too controversial and are essentially a guest of the department. You have may have privileges, but no rights.

Here are some suggestions for our university administration to consider:

1. Eliminate mandatory retirement. This is the least complicated way. Everything remains the same. But how high can salaries go? This may be theoretical since many will retire after a few more years - no one is getting younger.
2. Raise the retirement age. This allows flexibility for those wanting to continue until they reach their pension maximum and those who just enjoy their work. Few would probably want to go the full term.
3. Freeze salary at age 65 or older, with only across-the-board increases and

no merit increments. This allows the university to benefit from senior staff without the financial pressure of excessive salaries.

4. Institute a salary cap. This avoids age-related discrimination. It would be subject to flexibility for highly specialized staff.
5. At age 65 or older, require the university pension and Canada Pension Plan to be taken and pay the difference between these two and the salary. This is among the least expensive alternatives for the university. This would also increase cash flow to staff since they would not have to pay into the university pension plan and CPP. But some staff will not reach pension maximum.
6. Reduce salaries by yearly decrements or with a lower pay scale. The university's concern with higher salaries for senior staff could be met with a reduction in salary with a downward arc at age 65 or older. Salaries are reduced by a certain amount each year until the staff member decides it is not worth continuing, or until the salary reaches a preset level. Otherwise go to a lower level, e.g. move from a full professor to an associate professor salary scale. Where pension plans are not at maximum, the formula for the pension payment would consider the salaries until 65, or a hypothetical salary that would have been reached without lowering pay, not the reduced salary.
7. Develop a 65+ program of less work for a lower salary. This is an alternative to number 6. Staff would decide if retirement might be a better option or elect to take this option in conjunction with the University pension and CPP.
8. Use combinations of the aforementioned suggestions either across the board or crafted to the individual, for example, combining numbers 2, 4 and 5, or 1 and 4.

Some of the above violate age discrimination legislation, but may withstand a legal challenge if they were negotiated as a mitigation of mandatory retirement with the AASUA. Others may require modifying the pension plan. Hopefully these suggestions will encourage discussion and more ideas about mandatory retirement.

Dr. Joe Kirman is Professor Emeritus, Department of Elementary Education, where he continues his research and writing. ■

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# Reunion celebrates new beginnings, past and present

Four U of A faculties and departments celebrate birthdays this fall

By Ileiren Byles

At the University of Alberta, good things come in sixes - 1916, 1956, 1966 and 2006, to be precise.

Three faculties and departments are celebrating anniversaries in 2006, and the U of A's newest faculty - Native Studies - is marking its first year. The department of physical therapy got its start in 1956, and anthropology hit the trail in 1966. But those programs are youngsters compared to the School of Business, which is marking 90 years at the university.

The pull of history is often felt in the hallways of learning, said Dr. Bill Preshing, a professor emeritus with the School of Business. In the process of compiling a book about the school's 90 years, he's noticed cycles of politics, economy and student body that appear again and again.

"What you see in the hallways is a definite reflection of what happens in the economy at large," said Preshing. "In the first chapter of the book, I'm looking at the first 15 years or so, and you're seeing things like the First World War and Spanish influenza having a tremendous impact. When the depression hits, a lot of people are just not able to go to university and those ones who could - it's very tough for them."

Things can swing the other way, as well. At the end of the Second World War, returning veterans flooded the hallways at the U of A, said Preshing.

The School of Business went through some radical changes in the mid-'50s - just about when Preshing's employment with the university began.

"Almost at the mid point of the 90 years, things changed quite dramatically," he said. "Until that point, the School of Business has been, roughly, a school of accounting. The programs and focus really expanded from that point on."

Now the school boasts a master's of



The U of A School of Business celebrated its 90-year anniversary on Sept. 29.

business administration degree (celebrating its 40th anniversary this year), a bachelor of commerce degree and a PhD program. The School of Business has been recognized as one of best in Canada, ranking in the top three Canadian business faculties in research and, in some departments, in the top 50 in North America.

The Department of Anthropology found its own identity when it became independent from the Department of Sociology on Aug. 1, 1966. At the time, it was the only such department between B.C. and Ontario. In 1966 the department consisted of seven faculty, one staff, six honours students and 14 in the MA pro-

gram. A PhD program was started a year later. The department has now grown to 15 faculty, seven regular staff, 221 undergraduate students, 59 graduate students and many additional members, including sessionals, adjunct and emeriti professors, post-doctoral fellows and contract and trust employees.

The U of A Department of Physical Therapy is also celebrating a birthday. To mark its 50th year, members of that 1956 graduating class have contributed in excess of \$17,000 to create a bursary endowment.

The new kid on the block in 2006 is the Faculty of Native Studies, which officially donned the title on June 12 after 22 years of

being the School of Native Studies.

"The change reflects both the fact that the school has operated as a faculty since its inception, and a doubling in faculty and staff in recent years," said Dr. Ellen Bielawski, dean of the newly named faculty. "For the first time, the Faculty of Native Studies will be centrally located on campus in its own space."

The faculty's new home is located in Pembina Hall.

All of the faculties and departments marking anniversaries and new beginnings held separate celebrations in the last week of September, in conjunction with Reunion 2006 events. ■

## Alumnus' adventure began at U of A - 75 years ago

Will Kent is one year older than the University of Alberta

By Caitlin Crawshaw

When Will Kent was a university student, there were nine buildings on campus.

"There were seven of us in the civil class. And our professors, rather than being lecturers or teachers, were more like tutors," said Kent.

"My tuition in my freshman year was \$60, and in my final year it got way up there at \$90. You could get a cup of coffee and a cinnamon bun for 10 cents at the truck shop."

Kent, who is the last surviving member of the civil engineering class of 1931, has seen the university change a great deal over the years. Students, in particular, look radically different than they did in his day, when he and his peers wore crisp, button-up shirts and ties to class.

"We carried a loose-leaf notebook and a pencil, and that's all we carried. Now, when they go to classes, I wonder what they're all carrying," he said.

And in those days, there were no women in engineering, Kent recalls. But, for a few months every year during survey school, he could see women sitting in the windows of Pembina Hall.

The 99-year-old explored campus again when he attended Reunion 2006 Sept. 28-Oct. 1, where he celebrated the 75th anniversary of his graduation.

The annual event brought together more than 2,000 graduates and guests who attended more than 40 events happening on campus and around Edmonton.

Kent has had a full career since his graduation in 1931. He has worked in every single province in Canada, as well as the Yukon and NWT. In 1937, he helped with the construction of the Vancouver's Lions Gate Bridge.

When the time came for Kent to retire in 1980, he joined the Canadian Executive Service Organization, which took him to the Philippines for a nine-month project to construct a tuna processing plant.

"It was a very interesting, happy event. I spent nine months, and out of that I have two very close friends who now live in Manila, and I visited them several times. In fact, last Christmas I went back there for a wedding of a girl who helped me cut my birthday cake when I was 72," he said. "So, my engineering has led to a lot of

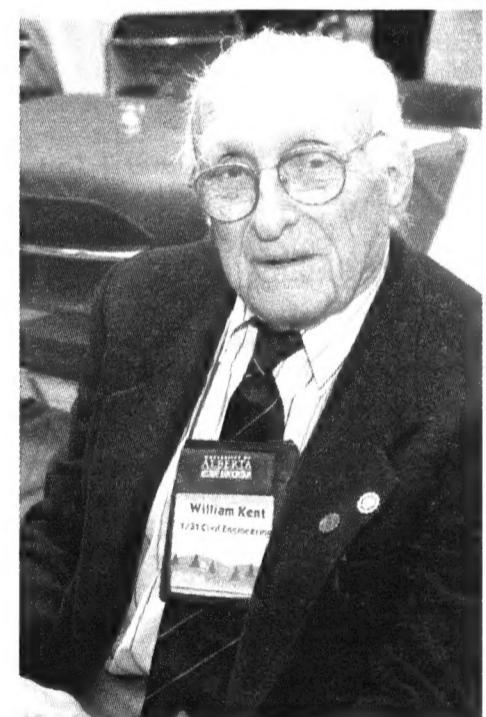
good friendships."

Kent, who makes regular trips to places in North America and around the world, has no desire to slow down. For the last five consecutive years he's attended Reunion Weekend, as he will next year.

"I have a very short answer I give to a lot of people who say to me 'You were here last year - why did you come back?' My answer is that I spent five very happy years at that campus, at a time when we were just starting to learn about things."

Highlights of this year's Reunion Weekend included an award ceremony which recognized a number of distinguished guests, including Preston Manning and William Winspear.

Thirty-seven graduates in all were honoured at the ceremony, including Pernille Ironside (BComm '95), who worked in New York City for the United Nations Office for the Co-ordination of Humanitarian Affairs and UNICEF, where she helped launch major initiatives to improve the protection of civilians and monitoring of civil rights violations in areas of armed conflict. ■



Though he's a couple weeks shy of his 99th birthday, Kent continues to travel frequently, regularly attending the annual Reunion Weekend at the U of A.

## Connect with Opportunity

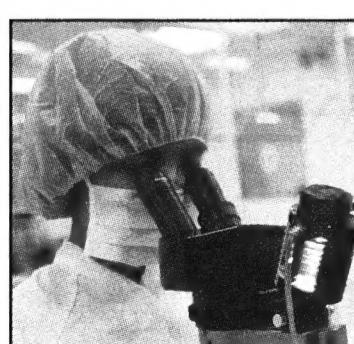
University of Alberta researchers are invited to the 2006 TEC Connector: a showcase of university spin-off companies and a networking event with the people who help inventors launch and grow technology startups.

Oct. 18, 2006

Shaw Conference Centre

Details and Registration: [www.TECedmonton.com](http://www.TECedmonton.com)

**TEC EDMONTON**  
Technology, Entrepreneur and Company Development  
A joint venture of the University of Alberta and  
Edmonton Economic Development Corp.



# Research and clinical practice at the heart of ABACUS

New centre the first of its kind in Canada

By Caitlin Crawshaw

Canadians battling with the country's leading causes of death – heart disease and stroke – can be more hopeful for the future with the official opening of a \$25-million research centre at the University of Alberta Hospital.

"ABACUS is a \$25-million, molecules-to-population research centre, or as I like to refer to it, a research hospital within a hospital."

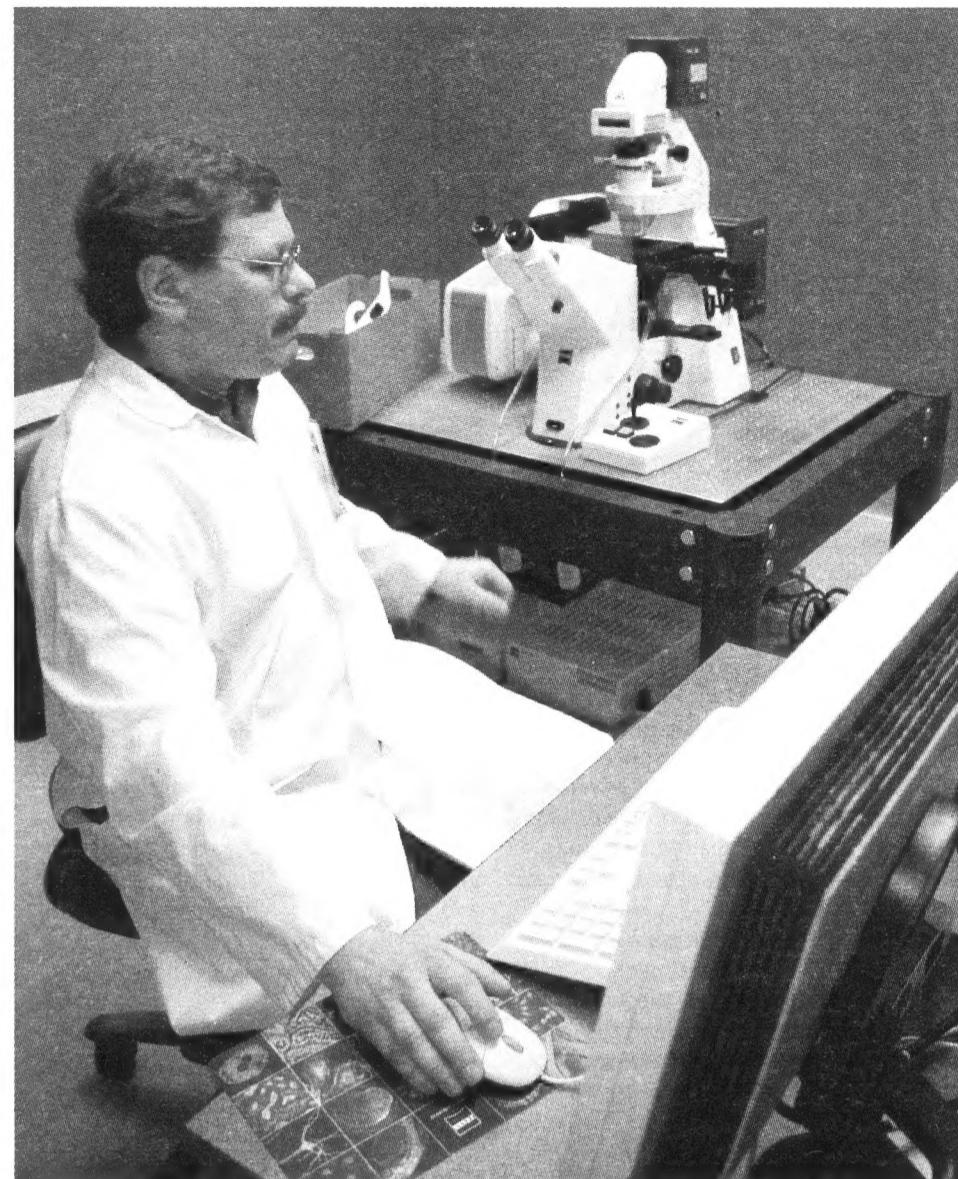
– Dr. Stephen Archer

On Sept. 26, the state-of-the-art Alberta Cardiovascular and Stroke Research Centre (ABACUS) opened its doors, bringing together 100 investigators focused on finding a cure for heart disease and stroke, which account for more than one-third of all deaths in Canada. The centre will form an important arm of the Mazankowski Alberta Heart Institute.

"ABACUS is a \$25-million, molecules-to-population research centre, or as I like to refer to it, a research hospital within a hospital," said Dr. Stephen Archer, ABACUS scientific director. "This might seem unnecessary, because you might assume that a university hospital would of course have a room for research, but it does not. So this is a place where research is welcome and it's our culture."

The centre is named after the mathematical calculation device, a portable tool that can be shared among thinkers. "It's a tool for all of the researchers here, which will elevate science and medicine in Edmonton and hopefully beyond," said Archer, adding that the word is also an architectural term referring to the unit beneath a column that provides support. ABACUS will provide comparable support for the Mazankowski Alberta Heart Institute, he explained.

A number of cutting-edge technologies will be available for researchers at ABACUS, Archer said. Scientists will even have the ability to study heart attacks and strokes in progress.



ABACUS technologist Al Haromy demonstrates the laser scanning confocal microscope, which allows scientists to watch changes occurring in live cells in real time.

The centre will be based around four cores: imaging and intervention, clinical trials and outcomes, vascular biology and a multimedia facility.

"One of the things that's so important about ABACUS, is that it's a place where science and medicine converge, where researchers and clinicians rub shoulders and share ideas. We're very excited about the possibility," said Dr. Tom Marrie, dean of the U of A Faculty of Medicine and

Dentistry.

The centre is the first in Canada, said Marrie, adding that ABACUS' many partners "share a vision to put Edmonton on the map as Canada's leading health sciences region."

The centre is supported by a number of community partners, including Capital Health, Alberta Science and Research Investments Program and the Canadian Foundation for Innovation. ■

# University names downtown campus

*Enterprise Square will be a downtown hub of learning and research*

By Caitlin Crawshaw

The University of Alberta's new downtown campus has been named Enterprise Square, and will be a sustainable centre advancing collaborative research opportunities and economic development.

'Enterprise' reflects the activities that will take place in the newly renovated building, which will support both academic and commercial enterprise. 'Square' reflects the shape of the building as well as the four cornerstones of President Indira Samarasekera's Dare to Discover vision.

On the two lower levels of the building's exterior, nothing will be altered, partly due to the historical designation of the façade and six entrances. A fourth floor is being added, in conjunction with other renovations related to retrofitting and redeveloping the former Bay building for its new purposes. The project is estimated to cost \$86.5 million upon completion in 2007.

Enterprise Square will house:

- TEC Edmonton
- Faculty of Extension
- School of Business – Executive Education and Alberta Business Family Institute
- The Design Gallery – Faculty of Arts
- Advancement Services
- Alumni Affairs
- Development Office
- Administrative Information Systems
- University of Alberta International



TEC Edmonton is slated to move into the new space in the summer of 2007 (or earlier). The remaining university departments and institutes will move into the new space in September 2007. ■

# Dentistry donations keep students smiling

*Largest-ever donation creates scholarship, two research chairs*

By Amanda Wasney

At the Alberta Dental Association & College (ADA&C) centennial anniversary at the end of September, pearly whites were evident throughout the evening.

Many of the beaming smiles were the result of two incredible gifts from the ADA&C to the University of Alberta Department of Dentistry and Dental Hygiene.

The first gift came in the form of an announcement at the event, held at the Shaw Conference Centre, that the ADA&C will grant an annual professional award for all first-year University of Alberta Doctor of Dental Surgery students. This award will provide each first year-student with \$1,000 to aid in the financial cost of the program.

*"The ADA&C gift is the largest gift in the history of our school of Dentistry. This gift will greatly benefit the University of Alberta, the Alberta Dental Association & College and the people of Alberta."*

– Tom Marrie

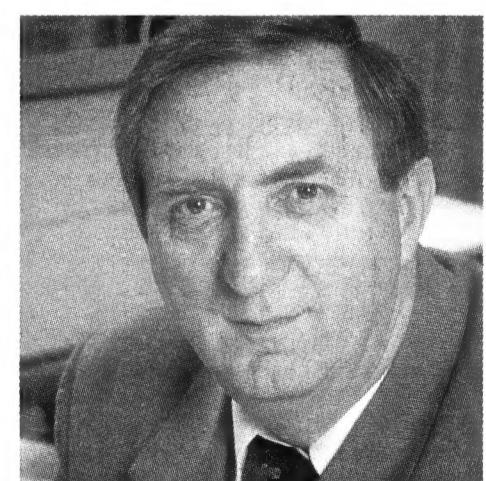
Secondly, the ADA&C committed to invest \$3 million into the U of A Department of Dentistry for the creation of two research chairs. The donation will be matched dollar-for-dollar by the provincial government's Access to the Future Endowment Fund.

"The ADA&C gift is the largest gift in the history of our school of Dentistry," said Faculty of Medicine and Dentistry Dean Tom Marrie, "This gift will greatly benefit the University of Alberta, the Alberta Dental Association & College and the people of Alberta."

Recognizing the demographic shifts in Canadian society, the Department of Dentistry decided to create a chair in geriatric oral health and another in clinical dentistry. These two chair holders will be forefront in their fields and will be benefit from being privy to leading dental research.

These new chairholders will have a direct impact on the profession of dentistry in Alberta, as they will be working on research questions that will help refine and improve clinical practices.

To show the appreciation from the university, Marrie and Doug Dederich, acting chair of the Department of Dentistry, presented a symbolic painting done by dentistry alumni, past clinical instructor and Alberta dentist, Dr. Elizabeth Burgess. Her painting, Reflecting on 100, takes a look at 100 years of history of the Alberta Dental Association & College and the University of Alberta, Department of Dentistry. ■



Caitlin Crawshaw  
Faculty of Medicine and Dentistry Dean Dr. Tom Marrie applauded a recent multi-million-dollar gift from the Alberta Dental Association & College.

# Prof becomes Western Canada's only health informatics research chair

**Dr. Nicola Shaw an expert on medical health records**

By Caitlin Crawshaw

While only 18 per cent of clinics in Canada currently use electronic medical records, it is becoming increasingly important to examine their value to patient care, says Western Canada's only research chair of health informatics.

**"I think what (health informatics will) do is affect a cultural change. I think it will help encourage patients to be more involved in their own health care, and I think that's where we'll see the change."**

— Dr. Nicola Shaw

Dr. Nicola Shaw, a University of Alberta professor, was appointed earlier this fall as the first research chair of health informatics in Western Canada. Health informatics is a fast-growing field that can be loosely described as a mix of information science, medicine and health care. The field focuses on ways to acquire and store health information using tools like computers, clinical guidelines and communications systems.

Shaw has published widely on the effectiveness and evaluation of medical health records, a health informatics topic that is gaining increasing relevance to Canadians as the government agency Canada Health Infoway seeks to have electronic medical records on 50 per cent of Canadians by 2009.

Shaw's latest research focuses on the interactions between patients and doctors in a number of Canadian primary healthcare facilities staffed by GPs.

"What we're interested in is how information is managed within the encounter between the provider and the patient," she said.

"One of the things we expected to find was that for doctors using a computer, sometimes the computer is a barrier. One of the things we didn't expect to find was that for some physicians, a paper chart is just as much of a barrier, because they may sit and write on the chart but don't make eye contact with the patient, and don't have a relationship with a patient."

Shaw has also been recently appointed to the new Integrated Centre for Care Advancement through Research (iCARE), a health outcomes partnership between the U of A and Capital Health.

"The reason I'm appointed within iCARE, is because the research I do is very much applied. So yes, health informatics is a key area of iCARE, but for me, the fact that iCARE is very much about really applying research into practice, evaluating and going back around that cycle, is why iCARE is a good fit for me," she said.

A relatively new field in Canada, health informatics is a field that Shaw believes has the potential to significantly improve patient care over the next few years.

"I think what it's going to do is affect a cultural change," said Shaw. "I think it will help encourage patients to be more involved in their own health care, and I think that's where we'll see the change." ■



Dr. Nicola Shaw is a renowned expert on health informatics.

## Health measures beating Lister bug

**University, Capital Health team up to fight Noro virus on campus**

By Richard Cairney

Clark Murray was feeling ill at the end of September, but didn't think much of it. "I felt tired, I felt like I had the flu, but I still made it to class," said Murray, who is in his third consecutive year at the Lister student residence complex.

Murray was somewhat surprised when Capital Health asked the university to take steps to prevent the spread of a bug that, by Oct. 2, had infected 123 students in the 1,800-student complex.

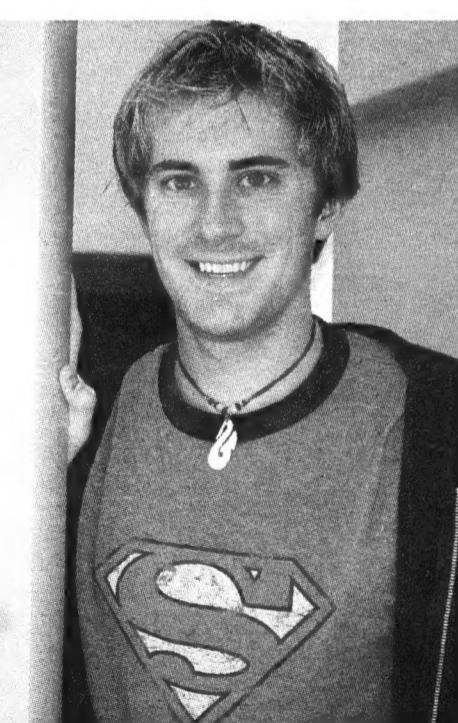
"When we heard it was a gastro-intestinal illness going around, I thought 'Shucks, I should have stayed home,'" he said, adding that some students were hit harder by the bug than others, but were feeling well in fairly short order.

On Oct. 2, Capital Health indicated that preliminary test results showed that the pathogen was the Noro virus.

The situation was tackled aggressively by Capital Health and the U of A.

Under Capital Health's direction, the university immediately took measures to limit the spread of the illness. Conferences booked at the centre were moved to other facilities, common washroom facilities in the building were cleaned to strict new standards, students who were ill were asked to stay in their rooms and rest; visitors to the residences were limited. A buddy system was established so students could keep an eye on one another and make sure anyone who felt ill was cared for. So-called "common touch" food service areas at the centre were eliminated. Portable hand-washing stands were brought in to the Students' Union Building for the weekend, as alumni gathered for Reunion Weekend.

To help care for students who were ill, 4,400 bottles of water were delivered to the complex. A shipment of 2,400 lbs. of laun-



Student Clark Murray is feeling better now after recovering from Norovirus. The Lister resident calls the university's reaction to the situation "positive," noting that while midterms are fast-approaching, the university "is working closely with Lister to make sure students succeed."

dry detergent was distributed throughout the buildings and laundry services were provided for free.

The measures seem to have had an effect. A comprehensive residence survey Sept. 29 suggested that, since the beginning of the school year, some 115 students had been ill at one time or another. On Sept. 29, 90 students were reported to be ill. On Sept. 30, 42 students were ill and that number increased slightly to 44 students on Oct. 1. By Oct. 2 the number of students suffering illness had dropped to just 24.

Dr. James Talbot, a medical officer of health with Capital Health says the U of A had gone above and beyond the call of duty in dealing with the outbreak.

"So far everything we've asked the university to consider doing, they have done, and they have taken a couple of additional precautions we didn't ask for but we agree with," said Talbot, who added that the illness is being seen across the city, and isn't a critical threat to most students.

"The symptoms that are troublesome tend to last less than 24 hours and

(patients) tend to recover over next two or three days. In a young immunocompetent population like we have in a university residence it would be unusual to have anything more serious occur."

A fourth-year Arts student, Murray serves as vice-president of Henday Hall at the Lister complex, supervising 10 floor coordinators. He's impressed with the way the university responded to the outbreak.

"In my opinion, they've responded pretty positively," he said. It's important that students stay healthy with mid-terms approaching, and the university "is working closely with Lister to make sure students succeed."

U of A Provost and Vice-President (Academic) Carl Amrhein said the university's first priority is the well-being of its students, faculty and staff and the steps it took reflect that concern.

"It is the same things we tell our children who are sick – you ask them to stay in their rooms and get plenty of rest and fluids," he said, adding he's been especially impressed with the "care and commitment" shown by student residence staff.

The university has been preparing for just such a circumstance. In January, it formed the Public Health Response Committee to plan a response to this type of outbreak.

Committee chair Olive Yonge said the committee was behind an educational campaign on campus this fall encouraging students to wash their hands to prevent the spread of infection. She added that measures such as shutting down self-serve areas of the Lister cafeteria are temporary.

"We want a safe environment, not one that is full of fear," she said. "Soap and water is the best prevention." ■

## Creature comforts

**Staffer helps homeless animals find new families**

By Zoltan Varadi

In a way, Pat Mash can thank her own cat, Loxly, for introducing her to the many, many critters that have come into her life over the past three years.

Taking her feline to a vet clinic in Beaumont one day, Mash came across literature about the Northern Alberta Society for Animal Protection (NASAP) and became intrigued enough to volunteer.

NASAP is non-profit, no-kill animal rescue organization that takes in unwanted cats and dogs not only from outlying areas of Edmonton – Ellerslie, Leduc, Beaumont, Devon, Spruce Grove – but also from the city pound as part of an effort to reduce the number of homeless animals that are euthanized each year.

Sometimes the critters come from farther afield, said Mash, a financial administrator for the Department of Biological Sciences.

"We just got a cat in on Friday from as far away as Fort Chipewyan [southern tip of Lake Athabasca]. Somebody had phoned us and they wanted to save this kitty-cat that the owners had given up, and they were actually coming to Edmonton so they flew it in," said Mash.

Initially, she helped out at the society's monthly adoption day at PetSmart's south Edmonton store, but within a year she had joined their board and when the position of cat-intake co-ordinator became vacant, they asked her to fill the role.

"It took me a few months to understand all the different things I needed to do, but I'm still doing it," she said.

Mash's myriad of duties includes making sure the cats are vaccinated, dewormed, photographed and then booked for an appointment at the pet hospital to get neutered or spayed and tattooed.

The animals are then placed into foster care, one of the unique aspects of the NASAP approach. Instead of being housed

**"It's very rewarding just knowing that they were helpless animals living out on the street or country that had nowhere to go, and we brought them a bright future."**

— Pat Mash

in a cage, animals are temporarily placed in the homes of a network of volunteers until a suitable adoptive family can be found. Visitors to the website ([www.nasap.ca](http://www.nasap.ca)) can click on a picture of an individual cat or dog to send an e-mail inquiry. This is then forwarded to the foster home, which then handles an interview with the interested party.

"In most cases everything works out and it's good match, but there are cases where the foster home feels it isn't going to be a good match," said Mash. "If that's the case, we'll let them know and maybe suggest other cats and dogs. For example, if they had really small children and it was a timid cat or dog it might not work."

Ironically, her own cat, who helped get this whole ball of yarn rolling, has made Mash's own home unsuitable for temporary foster care.

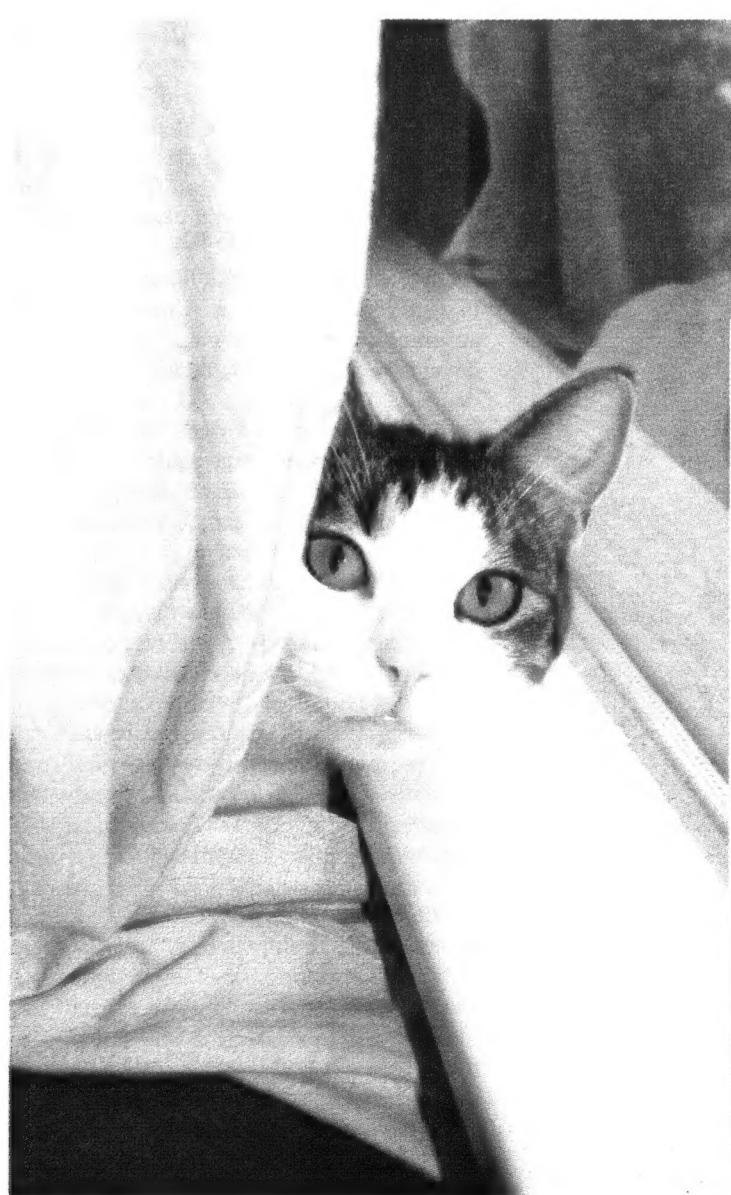
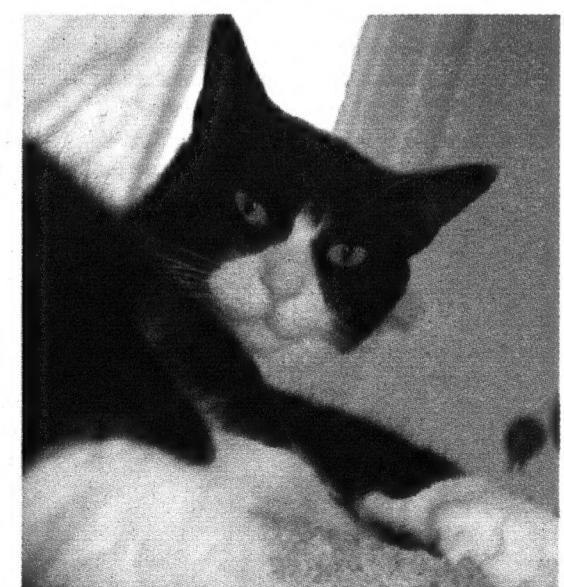
"I've tried, but she just stands at the window and wants out the back door, and she won't come back in until they're gone," she said.

Regardless, despite Loxly's objections, Mash says her experience with NASAP has been more than worthwhile.

"It's very rewarding just knowing that they were helpless animals living out on the street or country that had nowhere to go, and we brought them a bright future." ■



Pat Mash has an affinity for creatures, and has helped countless animals through her work with NASAP. (Counter clockwise) Some of the animals that Mash and other NASAP volunteers have placed in new homes: Pals Jake and Maggie, Jay, Candy and Lester.



# Ancient sea creature rediscovered after 25 years

Fossil of pregnant creature includes smallest known ichthyosaur embryos

By Phoebe Dey

University of Alberta scientists have named a new species of ancient marine reptile, fondly called the Ping Pong Ichthyosaur after the spot the prehistoric creature called home for the last 25 years.

Embryos found within the body of a pregnant fossil also mark the most recent record of a live birth and the physically smallest known ichthyosaur embryos.

"It was pretty amazing to realize this valuable discovery had sat under a ping-pong table for 25 years," said Dr. Michael Caldwell, paleontologist at the U of A. "But I suppose that after 100 millions of years in the dirt, it's all relative."

A few decades ago, graduate students and a technician from the Faculty of Science collected several ichthyosaur specimens - the marine animals resembled dolphins and fish - from the Loon River Formation at Hay River, NWT. Somehow the bones ended up in several boxes underneath a ping-pong table in the science undergraduate lab. When Caldwell arrived in 2000, he started renovations, found the boxes and immediately started inquiring about the fossils. Allan Lindoe, the technician of the original dig, was still in the faculty and explained the history.

Working with Erin Maxwell, an undergraduate student at the U of A at the time, Caldwell soon learned the bones were from the Lower Cretaceous period, or about 100 million years old. This finding was significant since it bridged a huge gap - the previous set of pregnant ichthyosaur specimens was dated 80 millions earlier. The Loon Lake collection was also the most northern record of ichthyosaur remains from Canada.

"What was really interesting was that, at this point in history, the ichthyosaur goes extinct," said Caldwell. "So anything from this time is going to be really important. When we opened it up, we found material in three-dimensions and very finely preserved. Then, it turned out that one was pregnant with two embryos. It was amazing."

**"It was pretty amazing to realize this valuable discovery had sat under a ping-pong table for 25 years. But I suppose that after 100 millions of years in the dirt, it's all relative."**

- Dr. Michael Caldwell

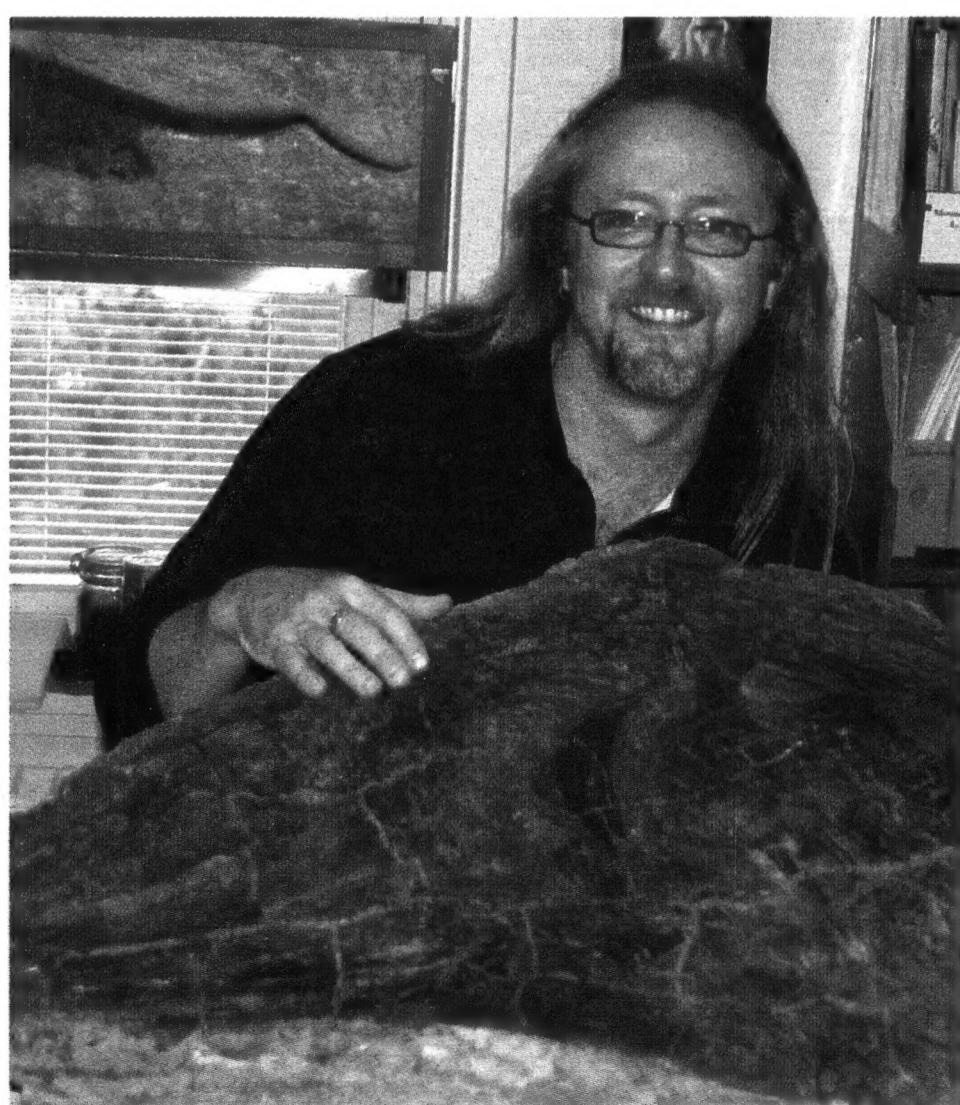
"What it shows is that the Canadian version of extinction of the ichthyosaur has more diversity than anyone thought. Even in their declining years there were a lot more species than we thought."

Over the course of ichthyosaur evolution, the limbs were modified as paddles while the pelvis and hind limbs were reduced in size. These changes over time make it improbable that these aquatic animals could have crawled out onto land to lay eggs. The finding of these pregnant ichthyosaur fossils makes it "very clear they gave live birth and didn't lay eggs," said Caldwell.

Ichthyosaurs, like most reptiles, continuously replaced their teeth throughout their lives. So while pregnant, most female ichthyosaurs were also completely toothless, giving up the calcium for their own teeth and bones to their developing embryo. "Considering an ichthyosaur could be carrying 12 embryos at one time, that is a lot of calcium needed," said Caldwell.

The Loon River Formation material is distinctive enough to warrant the erection of a new genus and species of ichthyosaur. Caldwell and Maxwell, who is now completing her PhD in palaeontology at McGill University, named it *Maiaspondylus lindoei*, after the technician who helped discover it.

The research is published in the current issue of the journal *Palaeontology*. ■



Paleontologist Dr. Michael Caldwell was surprised to find the fossil of a new species of marine reptile beneath a ping-pong table.

# talks & events

Submit talks and events to Lorraine Neumayer by 12 p.m. Thursday one week prior to publication. **Folio Talks and Events listings do not accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.uofaweb.ualberta.ca/events/submit.cfm>.** A more comprehensive list of events is available online at [www.events.ualberta.ca](http://www.events.ualberta.ca).

## UNTIL OCT 14 2006

**United Way Garage Sale October 14** Parking Services will be holding an Indoor Garage Sale in support of the United Way Campaign. They are seeking donations from the campus community. If you have any items you wish to contribute, please contact 492-7275. <http://www.uofaweb.ualberta.ca/unitedway/>

## UNTIL OCT 31 2006

**APIRG Opt-Out Period** Every year, APIRG provides monetary and in-kind support to U of A students to conduct projects, host events, attend conferences, and otherwise become active in the community. If, however, students want to opt out of the APIRG dedicated fee, they can do so by picking up a form at the SU Executive Offices, Information Services Desks (HUB, SUB, and CAB), the APIRG office in HUB Mall, or at [www.apirg.org](http://www.apirg.org). Forms can be brought to the APIRG office (along with OneCard and timetable) for a cash refund. 9111 HUB Mall. <http://www.apirg.org>

## UNTIL APR 10 2007

**Graduate Student Support & Strategy Group (GS3G)** Offers grad students a comfortable and supportive environment to: discuss concerns/challenges/experiences related to being a grad student; develop effective problem-solving and coping strategies related to these areas; and share and hear about other students' experiences. Individuals will not be able to attend without meeting with the facilitator prior to the group. If you wish to RSVP online and choose to leave your phone number and/or e-mail address, we will contact you to schedule an appointment with the facilitator for a pre-screening appointment. If you choose to RSVP online with only your name, please contact Student Counselling Services to book an appointment. Ongoing. 2:30 - 4 p.m. 2-600 Students' Union Building (SUB). <http://www.uofaweb.ualberta.ca/counselling/gs3g.cfm>

## OCT 6 2006

**Mechanical Engineering Graduate Research Symposium** An all-day event which features research presentations and posters from graduate students in the Mechanical Engineering department. A keynote lecture by Dr. Rafiqul Islam from Dalhousie University titled "The 10 Misconceptions in Research and Revolution in Education" will occur from 1 - 2 p.m. Poster session 2 - 3 p.m. For more information related to the schedule or to register please visit the event URL. 9:30 a.m. - 4 p.m. Engineering Teaching and Learning Complex - Engineering Solarium (ETLC E2-100). <http://www.ualberta.ca/~megsa/symposium.html>

**A whole lake experiment to understand the effects of a synthetic estrogen on aquatic populations** Karen Kidd, Department of Biology, University of New Brunswick is presenting a seminar on "A whole lake experiment to understand the effects of a synthetic estrogen on aquatic populations." 12 p.m. M-145, Biological Sciences Building. <http://www.biology.ualberta.ca/courses/biol631/?Page=4937>

**Arts Dialogue** Arts Dialogue 2006. The new season of Arts Dialogues begins on Oct. 6 with a presentation by Dr. Rosemary Ommer of the University of Victoria. Arts Dialogues are interdisciplinary engagements with topics of critical importance to academic and wider communities. Ommer's presentation is titled: "Hard Lessons: Canada's East & West Coasts under Environmental, Social and Atmospheric Restructuring." Ommer was the Project Director for a five-year, multidisciplinary, bi-coastal Coasts Under Stress research project, at the University of Victoria and Memorial University of Newfoundland. All are welcome to attend and participate in discussion following the presentation. 4 - 6 p.m. Aurora Room, Lister Conference Centre.

**Peter C. Newman: Canadian Politics & the New Journalism: Making Facts Dance** The First Mel Hurtig Lecture on the Future of Canada. Peter C. Newman is a legendary Canadian journalist, the recipient of numerous honorary degrees and distinguished awards and a best-selling author of twenty books. His memoir: *Here be Dragons: Telling Tales of People, Passion and Power*, was released in 2004 and his latest book *The Secret Mulroney Tapes: Unguarded Confessions of a Prime Minister* (2005) is now available in paperback. 4 - 5:30 p.m. Room 150 TELUS Centre for Professional Development.

**Pandas Hockey** Pandas vs. Regina. 7 p.m. Clare Drake Arena Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**A New Report on the Millennium Development Goals** During the Millennium year,

the international community agreed to a set of eight goals to reduce poverty by 2015. Now at the fifth anniversary, world leaders are set to assess progress toward achieving these Millennium Development Goals (MDGs). Find out more about the MDGs and the challenges Canada and the world face in order to meet them. The North-South Institute is launching the Canadian Development Report 2005, an independent analysis of Canada's contribution to the implementation of the MDGs. This is a free event. Everyone is welcome. 7:30 - 9:30 p.m. 1-003 Engineering Teaching and Learning Complex. <http://www.international.ualberta.ca>

## OCT 7 2006

**Pandas Hockey** Pandas vs. Regina. 7 p.m. Clare Drake Arena Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

## OCT 8 2006

**Build a Bird Feeder** Bring your mom and dad, and come build a bird feeder for your feathered friends. Winter is approaching and the birds that stay here for the winter will soon be very happy to have a little extra food from their human friends! The kits are easy to build and you will be able to bring home a small bag of seed to get you started. You will also learn about the birds that stay with us for the winter and what kind of feed they prefer. It will be a fun afternoon. Cost \$10 per feeder which is payable at the workshop. There is limited space available, please register at (780) 987-0362 to book. 2 - 3:30 p.m. Devonian Botanic Garden (5 km north of the Town of Devon on Hwy. 60). <http://www.discoveredmonton.com/devonian>

## OCT 10 2006

**Idea of West** A one day symposium with a select group of speakers exploring the idea of what it means to be a westerner. FREE event (ticket required), includes coffee and lunch. Presenters: Gail Anderson-Dargatz, James Bartleman, Roy Forbes, Sharon Moore-Foster, Tom Peacocke. Tickets available at U of A Bookstore 9 a.m. - 3:30 p.m. Timms Centre for the Arts, U. of A. Campus. <http://www.theideaofwest.ca>

**Lateral Violence and Aboriginal Perspectives** Greg Miller, Writer/Director, Bearpaw Media Productions will introduce a new video, entitled "Lateral Violence" (20 min.). After the showing Patti Laboucane-Benson, Director or Research and Evaluation, NCSA and Exec. Producer of video will facilitate a group discussion. Light lunch & coffee will be offered. 12 - 1:30 p.m. Room 7-140 Education North.

**APIRG Annual General Meeting** The Alberta Public Interest Research Group (APIRG) will hold its Annual General Meeting. Join APIRG staff, board members, and volunteers to find out what APIRG's been up to and to vote for new board members. All community members and U of A undergrads who have not opted out of the APIRG fee are eligible to vote. 7 p.m. Alumni Room, SUB. <http://www.apirg.org>

## OCT 11 2006

**Alberta Injury Control Teleconference** Dr. Wendy Craig, Professor of Psychology, Psychology Department, Queen's University and Dr. Debra Pepler, Lamarsh Centre for Research on Violence and Conflict Resolution, York University will present a seminar entitled "Promoting healthy relationships through partnerships." To register for this teleconference, please refer to the contact information shown below. Month-to-month subscriber rates for the teleconference are \$20.00 (\$25.00 for out of province). Port reservations must be made in writing (by fax) no less than 48 hours prior to the scheduled teleconference. 9 - 10 a.m. 4070-A Research Transition Facility. [www.med.ualberta.ca/acir](http://www.med.ualberta.ca/acir)

**ADI Diabetes Debate Speaker Series: Special Guest Speaker Dr. Bagirath Singh** Dr. Bagirath Singh, Scientific Director, CIHR Institute of Infection and Immunity; Professor and Former Chair, Department of Microbiology and Immunology, University of Western Ontario; and Former Deputy Director, Robarts Research Institute, London Ontario. Dr. Bagirath Singh will speak about "Functional Role of Endogenous Dendritic Cells in Diabetes" as part of the ADI (Alberta Diabetes Institute) Diabetes Debate Speaker Series. Free admission. Everyone is welcome! 11 a.m. - 12 p.m. Room 2F1.04 Walter C. Mackenzie Health Sciences Centre (Classroom D).

**Public Health Sciences Grand Rounds** Dr. Cheryl Waldner, Associate Professor, Western College of Veterinary Medicine, University of

Saskatchewan will present a seminar entitled "Beef cattle and wild birds as sentinels for health effects of emissions from the oil and gas industry in Western Canada." 12 - 1 p.m. 2-117 Clinical Sciences. <http://www.phs.ualberta.ca/>

#### **Ukraine's Prospects for European Integration**

Oleksandr Prystayko of the Center for Peace, Conversion and Foreign Policy of Ukraine, Kyiv (Kiev), will give a talk on Ukraine's prospects of joining the EU and NATO. 3:30 - 5 p.m. 227 Athabasca Hall (Heritage Lounge).

#### **UofA/Edmonton Journal Public Policy Discussion Series**

Panelists will discuss the topic: "Alberta and the Environment: Part of the Problem, or the Solution?" Audience participation will be facilitated in a moderated discussion. Wild Rose Room Lister Conference Centre 2nd Floor, 87 Avenue & 116 Street University of Alberta. Reception to follow RSVP Institute for Public Economics 492-6670 IPE@ualberta.ca 3:00 p.m.

#### **Welcome to the Reel World - The Fence**

Filmmaker Alexandre Trudeau spent a season working and living with families in Israel and the West Bank. This documentary is an intimate portrait of families on opposing sides of the security barrier in the Jenin-Afula area. Following the daily lives of ordinary people, the story reveals two opposing worlds and the points of view: the Israelis' longing for security and the Palestinians' quest for freedom. 46 minutes, 2004. 5 p.m. CAB 243. [http://www.international.ualberta.ca/globaled\\_events.php?id=201](http://www.international.ualberta.ca/globaled_events.php?id=201)

**Navigating the Career Path - Emotional Intelligence and Career Success** Emotional Intelligence and Career Success is the third workshop in a series that is geared towards careers and career transitions being offered by the U of A Alumni Association and in cooperation with the University's Career and Placement Services (CaPS). Emotional intelligence (EQ) refers to the non-cognitive capabilities that influence our ability to effectively cope with environmental demands and pressures. EQ has been shown to be responsible for between 27 per cent and 35 per cent of job success and our EQ can be improved with effort. Attend this workshop to learn more about EQ and how it impacts career success. \$35 per workshop or \$90 for all three! September 27, October 4 and October 11, 2006 6 - 8 p.m. 4-02 Students' Union Building (SUB). <http://www.uofaweb.ualberta.ca/alumnieducation/nav01.cfm?nav01=47978>

**University of Alberta Orchestral Winds Chamber Music** University of Alberta Orchestral

Winds Chamber Music. Angela Schroeder, Director. Works by Gordon Jacob, Paul Dukas, Giovanni Gabrieli, Dmitri Shostakovich, and Lynn Murray. 8 p.m. Arts Building/Convocation Hall.

#### **OCT 12 - 14 2006**

##### **Not Drowning But Waving: Women, Feminism, and the Liberal Arts**

Join us in celebrating the career and achievements of Dr. Patricia Clements, the first female Dean of Arts at the University of Alberta! Participate in the first sustained opportunity to evaluate the achievements of feminism in relation to the liberal arts over the last twenty-five years. A key conference objective will be to ask whether feminist work has had sufficient impact on academic culture generally, and on the culture of the liberal arts in particular. Register early and book your accommodation soon! ([See <http://www.crcstudio.arts.ualberta.ca/waving/accommodation.php> for accommodation and billeting information.](http://www.crcstudio.arts.ualberta.ca/waving/accommodation.php)) Stollery Executive Development Centre, 5th floor Business Building, University of Alberta. <http://www.crcstudio.arts.ualberta.ca/waving/>

#### **OCT 12 - 14 2006**

##### **Bears Volleyball Can-Am Challenge**

12 p.m. Main Gym Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

#### **OCT 12 2006**

**Second Annual Metabolomics Symposium: Exploring the Human Metabolome** Join us for the day as we examine a range of current and emerging areas of interest in metabolomics. Experts will discuss current research in human metabolomics and the analytical and bioinformatics challenges of metabolite data acquisition and clinical analysis. A poster session will be held at The Timms Centre over the Lunch and Break Sessions to showcase research in metabolic research, metabolomics technologies and instrumentation, and advancements in bioinformatics and data analysis. The deadline for abstract submissions is September 30. 8:30 a.m. - 4:30 p.m. Timms Centre for the Arts. <http://www.metabolomics.ca/News/MetabolomicsSymposium.htm>

##### **Lunch & Learn: Increase Your Eco-Awareness**

You don't need to be an environmentalist in order to make eco-friendly choices. Celebrate Waste Week by learning about and setting goals for eco-friendly living, at home and in the office. Register at [www.learningshop.ualberta.ca](http://www.learningshop.ualberta.ca). 12 - 1 p.m. Heritage Lounge, Athabasca Hall. <http://www.learningshop.ualberta.ca/LearningShop.do>

#### **Renewable Resources Seminar Series Dr**

Andreas Hamann of the Department of Renewable Resources will present a seminar titled "Certainties and uncertainties of climate change: global change, local impacts, and adaptation strategies for forest management." 12:30 - 1:20 p.m. Room 236 Earth Sciences Building, University of Alberta. <http://www.rr.ualberta.ca/>

##### **Race(ing) International Relations:**

**Postcolonialism, Contrapuntality and Transformative Possibilities** Dr. Geeta Chowdhry Professor of Political Science and Director of Ethnic Studies at Northern Arizona University. Although critical to the formation of the modern world, the concept of "race" in international relations (IR) has been largely neglected. Building on the work of recent postcolonial and other scholars, I suggest that a contrapuntal reading of concepts such as sovereignty, state, culture, identity, hegemony and resistance reveals that race and gender have been central to the construction of "international subjects" and "international relations." This seminar is part of the "Subaltern Voices: Speaking and Theorizing from the Disciplinary Margins" Speaker Series. For more information, please contact Dr. Malinda S. Smith at [malinda.smith@ualberta.ca](mailto:malinda.smith@ualberta.ca) or 492-5380 or Nisha Nath at [nmath@ualberta.ca](mailto:nmath@ualberta.ca) or Department of Political Science 492-3429. 3:30 - 5 p.m. <http://www.uofaweb.ualberta.ca/polisci/index.cfm>

##### **Guest Lecture: "Provenance: who owned it and why does it matter?"**

Professor Richard Landon, director of the University of Toronto's Thomas Fisher Rare Book Library, has captivated audiences on many aspects of the history of the book and rare book librarianship. As a widely published author in these fields, he frequently lectures on subjects of bibliography, book history, and rare book collections. This illustrated lecture will concentrate on books that belonged to Samuel Johnson, William Morris, James Wolfe and Sir Thomas Phillipps, among others. 3:30 p.m. Rutherford Library South, Room 301 (limited seating available). Contact: [robert.desmarais@ualberta.ca](mailto:robert.desmarais@ualberta.ca)

##### **The Engineer's Role in Wind Power**

**Development** Dr. Nolan Clark Director, Conservation and Production Research Laboratory USDA. Agricultural Research Service Engineers play an important role in the development of wind energy systems for generating electric power. Not only are engineers involved in the design and fabrication of the wind machines, they are heavily involved in the development of wind farms. I will discuss the ten steps in building a wind farm and describe the importance and issues with each

step. During the presentation, the status of wind development in the world, Canada and the U.S. will be highlighted. 3:30 - 4:30 p.m. 2-3 Mechanical Engineering . <http://www.uofaweb.ualberta.ca/mece/departmentseminars.cfm>

#### **AHFM Visiting Speaker Presented by the Immunology Network and the Department of Cell Biology**

Dr. Miguel Valvano Canada Research Chair in Infectious Diseases and Microbial Pathogenesis Professor and Department Chair, Microbiology and Immunology, University of Western Ontario. Title: *Burkholderia cenocepacia: an opportunistic bacterium that fools macrophages.* 4 - 5 p.m. Classroom F - 2J4.02 WMC. <http://www.ualberta.ca/cellbiology>

#### **The charisma and deception of reparative therapies: When medical science beds religion**

Presenter: Dr. André P. Grace, Professor, Department of Educational Policy Studies, UofA In this presentation I examine the history and resurgence of interest in sexual reorientation or reparative therapies. I begin with a critique of the contemporary "ex-gay" movement, interrogating Exodus as the prototype of a politico-religious transformational ministry that works to "cure" homosexuals. I examine how Exodus utilizes ex-gay testimony to deceive harried homosexuals looking for escape from the effects of internalized and cultural homophobia. Next I investigate how reparative therapies function as orthodox treatments that charismatically meld conservative religious perspectives with medical science to produce a pseudo-science promising to treat homosexuality effectively. Inside/OUT is a campus-based network for lesbian, gay, bisexual, trans-identified, queer (LGBTQ) and allied faculty, graduate students, academic, and support staff of the University of Alberta. We also invite undergraduate students and interested members of the community to attend. For more information contact Kristopher Wells or Marjorie Wonham or visit <http://www.mailman.srv.ualberta.ca/mailman/listinfo/inside-out> to join the confidential Inside/OUT listserv. 5 - 6 p.m. 7-152 Education North Education Centre. <http://www.uofaweb.ualberta.ca/education/pdfs/InsideOUT200607SpeakersSeriesPoster.pdf>

#### **OCT 13 2006**

**Extending spatial point pattern analysis to the analysis of linear objects such as rivers, logs, foraging paths or rhizomes** Mark Dale, Department of Biological Science, University of Alberta, is presenting a seminar on "Extending spatial point pattern analysis to the analysis of linear objects such as rivers, logs, foraging paths

# **The ALBERTA HERITAGE FOUNDATION for MEDICAL RESEARCH**

## **PRESENTS A FREE PUBLIC TALK:**

**Science, Non-Science and Nonsense: From Aliens to Creationism, and from Government to the Classroom**

By Dr. Lawrence Krauss

**Wednesday, October 18 @ 7 pm**

**Telus Centre**

**112th Street and 87th Ave.**

**Paid parking available underground • First-come, first-seated**

**Refreshments and book signing follow**

Dr. Lawrence Krauss is the Director of the Center for Education in Research in Cosmology and Astrophysics at Case Western Reserve University. He is also an internationally renowned scientist, writer, and commentator on science and society. His work in advancing science in the public has garnered him numerous prizes and honours. He is outspoken on such hot topics as intelligent design. The author of several popular science books, including *The Physics of Star Trek*, Dr. Krauss is a contributor to *The New York Times*, and is a regular guest on radio and television programs.

Dr. Krauss will be the featured guest on CBC Radio's Wild Rose Country at noon on Tuesday October 17

**A H F M R**



**ALBERTA HERITAGE FOUNDATION  
FOR MEDICAL RESEARCH**

or rhizomes." 12 p.m. M-145 Biological Sciences Building. <http://www.biology.ualberta.ca/courses/biol631/?Page=4937>

**Anaerobic digestion: The next generation** Tom L. Richard Associate Professor Department of Agricultural and Biological Engineering, the Pennsylvania State University. Anaerobic digesters can provide significant environmental benefits on livestock farms, while producing renewable energy for on-farm use or sale to the utility grid. Various governmental agencies have promoted digesters for over 30 years, demonstrating dramatic reductions in odor and greenhouse gas emissions, as well as more predictable nutrient availability. But although many on-farm digesters have been built, few have achieved long term success. Most failures have resulted from over optimistic economic projections, exacerbated in many cases by naive management and maintenance expectations. Our group's current research is focused on next generation technologies to address four key performance and profitability challenges. 1 - 2 p.m. 1-001 Natural Resources Engineering Facility, Markin/CNRL. <http://www.uofaweb.ualberta.ca/mece/departmentseminars.cfm>

**Membrane-localized transcription factors controlling virulence in *Vibrio cholerae*** Dr. DiRita, University of Michigan Medical School, is presenting a seminar on "Membrane-localized transcription factors controlling virulence in *Vibrio cholerae*." 3:30 p.m. M-149, Biological Sciences Building. <http://www.biology.ualberta.ca/courses/genet605/>

**Bears Hockey** Bears vs. Calgary. 7:30 p.m. Clare Drake Arena Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**World Music Concert** World Music Concert Latin Music. 8 p.m. Arts Building/Convocation Hall.

#### OCT 14 2006

**Bears Football** Bears vs. Calgary. 7 p.m. Foote Field. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Bears Hockey** Bears vs. Calgary. 7:30 p.m. Clare Drake Arena Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Visiting Artists Concert** Visiting Artists Concert Ensemble Contemporain de Montréal Presenting works by Charles-Antoine Fréchette, Aaron Gervais, David Litke, Maxime McKinley, Emily Doolittle. 8 p.m. Arts Building/Convocation Hall.

#### OCT 15 2006

**Music at Convocation Hall II** Russell Whitehead, trumpet. Ryan Frizzell, trumpet. Nancy Stepeny, trumpet. Allene Hackleman, horn. Kathryn Macintosh, trombone. Ryan Purchase, trombone. Scott Whetham, tuba. Golyardes Ground: Malcolm Forsyth.. Thanatopsis: Roger Deegan Music for Brass Instruments: Ingolf Dahl. Street Song: Michael Tilson Thomas. Suite for West Side Story: Leonard Bernstein, arr. Jale Gale. 3 p.m. Arts Building/Convocation Hall.

#### University of Alberta Academy Strings

University of Alberta Academy Strings. Aaron Au, Conductor. 8 p.m. Arts Building/Convocation Hall.

#### OCT 16 2006

**Noon Hour Organ Recital** Noon Hour Organ Recital. A variety of organ repertoire played by students, faculty and guests of the University of Alberta Department of Music. 12 p.m. Arts Building/Convocation Hall.

**Computing Science Distinguished Lecture Series** Professor Andrew Barto, Department of Computer Science, University of Massachusetts-Amherst will present a lecture entitled "Intrinsic Motivation and Computational Reinforcement Learning." Please join us for coffee and cookies. 3 - 5 p.m. Computing Science Centre B-10. <http://www.cs.ualberta.ca/events/dls.php>

#### OCT 17 2006

**Lunch & Learn: Home Buying 101** The Edmonton real estate market is hot, but are you prepared to enter? This session will provide you with information you need to make a wise home buying decision. Register at [www.learningshop.ualberta.ca](http://www.learningshop.ualberta.ca). 12 - 1 p.m. Mechanical Engineering, 3-1.

**Institute for Public Economics Policy Workshop** Robert Lacroix Topic: TBA. Wild Rose Room Lister Conference Centre, 2nd Floor. 87 Avenue & 116 Street, University of Alberta. Reception to follow RSVP Institute for Public Economics 492-6670 IPE@ualberta.ca 3:30 p.m.

**Special Seminar** Dr. Danielle McDonald, Rosenstiel School of Marine and Atmospheric Science, University of Miami, will present a seminar entitled "The gulf toadfish: stressed, depressed and angry?" Dr. McDonald is a potential recruit to the Department of Biological Sciences. Hosted by Dr. Greg Goss. 4 - 5 p.m. M 145 Biological Sciences Building. <http://www.biology.ualberta.ca/news-events/events/>

#### OCT 18 2006

**Public Health Sciences Grand Rounds** Dr. Martin Tobias, Public Health Physician, Public

Health Directorate, New Zealand Ministry of Health will present a seminar entitled Total Health Inequality. 12 - 1 p.m. 2-117 Clinical Sciences . <http://www.phs.ualberta.ca/>

**TEC Connector: UA Spinoff Company Showcase & Networking Event** Meet the leaders of Alberta's cutting-edge technology firms. Chat with investors seeking blockbuster opportunities. Connect with the people who help build strong technology ventures. If you want to learn about some of the most promising new technology companies in the region and network with key leaders and influencers in our business and R&D communities, then you should participate in this event. Registration is required (online). Space is limited. 4 - 6:30 p.m. Shaw Conference Centre, Edmonton. <http://events.tecedmonton.com/onware/onware.x/calendar/viewConference.p?Conference=61030>

**Welcome to the Reel World - The World Stopped Watching** Peter Raymont's 1987 documentary "The World Is Watching" followed four journalists at work in Nicaragua during the height of the Contra war against the Sandinistas. Thirteen years later in "The World Stopped Watching," Raymont follows journalists Bill Gentile and Ry Ryan during their return to Nicaragua to track down the people they interviewed before and learn how the country has meanwhile changed for better or worse. 82 minutes, 2003. 5 p.m. CAB 243. [http://www.international.ualberta.ca/globaled\\_events.php?id=201](http://www.international.ualberta.ca/globaled_events.php?id=201)

**Public Lecture** Science, Non-Science and Nonsense: From Aliens to Creationism, and from Government to the Classroom By Dr. Lawrence Krauss Paid parking available underground First-come, first-seated Refreshments and book signing follow Dr. Lawrence Krauss is the Director of the Center for Education in Research in Cosmology and Astrophysics at Case Western Reserve University. He is also an internationally renowned scientist, writer, and commentator on science and society. His work in advancing science in the public has garnered him numerous prizes and honours. He is outspoken on such hot topics as intelligent design. The author of several popular science books, including The Physics of Star Trek, Dr. Krauss is a contributor to The New York Times, and is a regular guest on radio and television programs. 7 - 9 p.m. Telus Centre Auditorium (112th St. and 87th Ave). <http://www.ahfmr.ab.ca>

#### OCT 19 2006

**Lunch by the Books: Molding Desires/ Morphing Products - Tim Antoniuk, Art & Design** Lunch by the Books is a free noon-hour learning series. See how Design professor, Tim Antoniuk, is re-thinking design in response to social and environmental problems created by the over-consumption of goods and services. All are welcome! Bring your lunch! Lunch by the books is presented by the Faculty of Arts & the Edmonton Public Library. 1st Floor Stanley A. Milner Library (downtown) 7 Sir Winston Churchill Square. <http://www.uofaweb.ualberta.ca/arts/LunchbytheBooks.cfm>

#### OCT 20 - 21 2006

**Work and Learning Network Conference A** conference of interest to academics and community members with an interest in examining the way in which work has been reorganized and become increasingly precarious in the new economy. Although the rhetoric of work and learning promises more economic opportunities in a restructured economy, precarious work arrangements such as contingent, part-time, and contract labour, as well as the shift to service sector work have differential implications for various groups of workers. The conference program will include papers, posters, and alternative presentation formats which will focus on precarious work arrangements. 6 p.m. Education Building (north), 2nd floor. [http://www.wln.ualberta.ca/wlnconf06/conference\\_home.html](http://www.wln.ualberta.ca/wlnconf06/conference_home.html)

#### OCT 20 - 22 2006

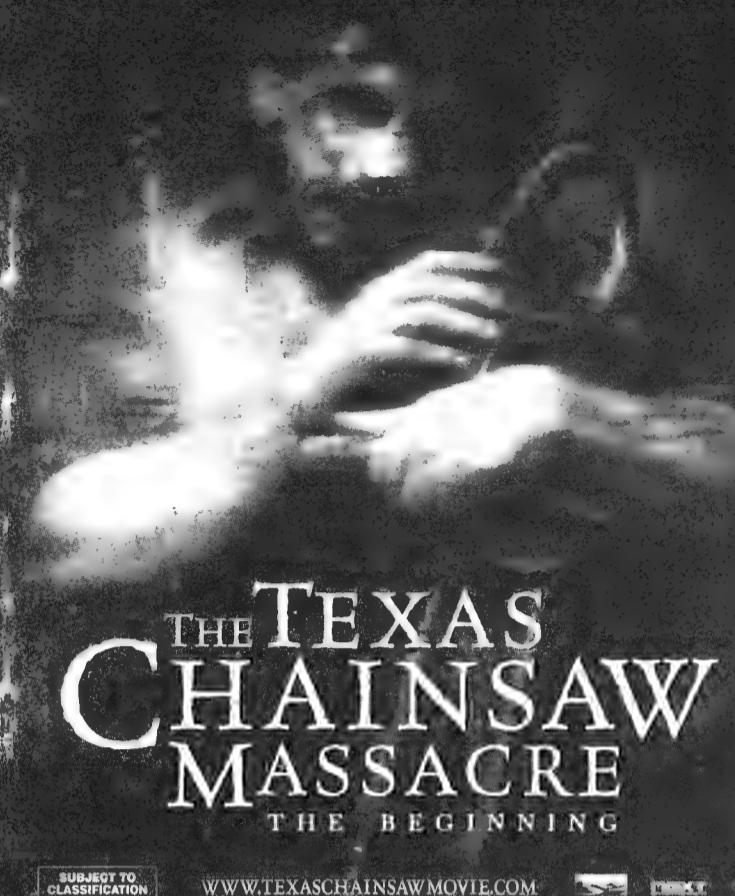
**Pandas Basketball Hoopfest** 6 p.m. Main Gym Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

#### OCT 23 - 26 2006

**Healthy Workplace Week 2006, Scavenger Hunt** Celebrate Healthy Workplace Week by participating in our Scavenger Hunt Challenge. Items will

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be updated daily on [www.virtualwellness.ualberta.ca](http://www.virtualwellness.ualberta.ca). Submit your team's items by 2 p.m., Thursday, Oct. 26 to Assiniboia Hall, Room 1-09. 9 a.m. - 2 p.m. several locations on campus. <http://www.virtualwellness.ualberta.ca>

#### OCT 20 2006

**Breakfast Roundtables: Support Staff and Dr Samarasekera** President Samarasekera invites University of Alberta Support Staff to join her for breakfast and an open discussion on issues of interest to the participants. 7:30 a.m. Saskatchewan Room - Faculty Club. <http://www.president.ualberta.ca/nav01.cfm?nav01=49877&CFNNoCache=TRUE>

#### Mediation of grass-fungal endophyte

**dynamics in northern ecosystems** Saewan Koh, PDF in Hik Lab, Department of Biological Sciences, University of Alberta is presenting a seminar on "Mediation of grass-fungal endophyte dynamics in northern ecosystems" 12 p.m. M-145, Biological Sciences Building. <http://www.biology.ualberta.ca/courses/biol631/?Page=4937>

#### Organotrifluoroborates: Protected Boronic Acids that Expand the Versatility of the Suzuki Coupling Reaction

Department of Chemistry Visiting Speaker lecture, presented by Professor Gary Molander, Department of Chemistry, University of Pennsylvania, Philadelphia. 1 - 1:50 p.m. E3-25 Gunning/Lemieux Chemistry Centre.

**Pandas Hockey** Pandas vs. Lethbridge. 7 p.m. Clare Drake Arena Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

ing talented U of A students and alumni. 10 a.m. - 4 p.m. Dinwoodie Lounge (2-000 SUB). <http://www.ualberta.ca/caps>

**Pandas Soccer** Pandas vs. Regina. 12 p.m. Foote Field. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Bears Soccer** Bears vs. B.C. 2:15 p.m. Foote Field. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Bears Football** Bears vs. Saskatchewan. 7 p.m. Foote Field. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Pandas Hockey** Pandas vs. Lethbridge 7 p.m. Clare Drake Arena, Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

#### OCT 22 2006

**Pandas Soccer** Pandas vs. Manitoba. 12 p.m. Foote Field. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Bears Soccer** Bears vs. Victoria. 2:15 p.m. Foote Field. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

#### OCT 23 2006

**Healthy Workplace Week 2006, Team & Scavenger Hunt Registration** Celebrate Canada's Healthy Workplace Week by gathering your co-workers and participating in the Scavenger Hunt Challenge. For more information visit [www.virtualwellness.ualberta.ca](http://www.virtualwellness.ualberta.ca). 9 a.m. - 12 p.m. Heritage Lounge, Athabasca Hall. <http://www.virtualwellness.ualberta.ca>

**The Art and Science of Appreciation** This Lunch & Learn is part of our Celebration of Healthy Workplace Week 2006. Join us as we explore the kind of workplace experience you would like to be a part of and the role you are invited to play in creating it. 12 - 1 p.m. Heritage Lounge, Athabasca Hall. <http://www.virtualwellness.ualberta.ca>

**Gairdner Foundation Lectures** Advances in Biomedicine. Dr. Joan A. Steiz - Regulatory RNPs: Altering outcomes in gene expression. Dr. Pamela Bjorkman - Fc receptors from molecules to cells. Dr. Corey Goodman - Wiring up the brain: Molecular biology of axon guidance. 2. - 5 p.m. Bernard Snell Hall.

**University of Alberta/Grant MacEwan College Jazz Bands** University of Alberta/Grant MacEwan College Jazz Bands. Tom Dust and Raymond Baril, Directors An Evening of Big Band Jazz 8 p.m. Arts Building/Convocation Hall.

## OCT 24 2006

**Lunch & Learn: Team Building in the Workplace** Celebrate Healthy Workplace Week 2006! Learn to develop an understanding of team building and how to create a team-oriented atmosphere in your work environment. Register at [www.learningshop.ualberta.ca](http://www.learningshop.ualberta.ca) 12 - 1 p.m. Heritage Lounge, Athabasca Hall. <http://www.learningshop.ualberta.ca/LearningShop.do>

**Department of Economics** John Helliwell, UBC. "How's the Job? Well-Being and Social Capital in the Workplace" (by John F. Helliwell and Haifang Huang). 3:30 p.m. 8-22 Tory Building.

## OCT 25 2006

**Public Health Sciences Grand Rounds** Dr. KC Carriere, Professor, Department of Mathematical & Statistical Sciences; Adjunct Professor, Department of Public Health Sciences will present a seminar entitled General Method for Identifying Excess Revisit Rates: The Case of Hypertensive Patients. 12 - 1 p.m. 2-117 Clinical Sciences. <http://www.phs.ualberta.ca/>

**Welcome to the Reel World - Thirst** A documentary without narration that explores how water and the ownership and control of water figure into community resistance to corporations rapidly buying up local water supplies. Examines the environmental and human rights issues associated with governments and companies making the world's fresh water supply into a commodity at the expense of local communities. Visits locations in Stockton, California, Bolivia, and India. 62 minutes, 2004. 5 p.m. CAB 243. [http://www.international.ualberta.ca/globaled\\_events.php?id=201](http://www.international.ualberta.ca/globaled_events.php?id=201)

## OCT 26 2006

**2nd Annual Open House - Conference Services** Join us and check out what's new! Bring

a Colleague to the Open House for Conference Services. Taste new menu items; themed breaks, sushi bar and more...from Classic Fare Catering. Book your event @ the Open House and save! 11 a.m. - 3 p.m. Maple Leaf Room - Lister Centre. <http://www.ualberta.ca/conferenceservices>

**Technology Requirements for Sustainable Oil Sands Production** Murray Gray, Professor, Department of Chemical and Materials Engineering University of Alberta. The oil sands of Alberta have the potential to expand production to millions of barrels per day of bitumen and upgraded products, and become a major source of petroleum for North America. Although the resource can sustain this level of production, the current technology cannot reach or sustain these production levels. The technologies currently used in the oil sands industry were based on abundant water supplies, low natural gas prices relative to crude oil, low environmental costs, and substantial volumes of conventional crude oil. All of these drivers of process technology are changing rapidly, therefore, long-term growth in oil sands production will require new technologies. This presentation will outline some research opportunities for new technologies for production, extraction, and upgrading of oil sands. 3:30 - 4:30 p.m. 2-3 Mechanical Engineering. <http://www.uofaweb.ualberta.ca/mece/departmentseminars.cfm>

**The Role of Private Security and Mercenaries in Conflict, from Africa to the Middle East.** Dr. Sarah Percy, Research Associate in the Oxford Leverhulme Programme on the Changing Character of War, Oxford University. Since the late 1990s, private security companies (PSCs) have experienced explosive growth. During the first Gulf War, 1 in 50 American military personnel were private contractors; during the invasion of Iraq in 2003 that number was one in 10. This paper outlines the nature of private security today, from mercenaries to PSCs, and the current regulatory environment, advocating that immediate steps should be taken to regulate both the PSC industry and the use of mercenaries, at the domestic and at the international levels. For more information contact Dr. Malinda S. Smith ([malinda.smith@ualberta.ca](mailto:malinda.smith@ualberta.ca)) 492-5380 or Nisha Nath ([nnath@ualberta.ca](mailto:nnath@ualberta.ca)) or Department of Political Science at 492-3429. 3:30 p.m. 10-4 Tory Building. <http://www.uofaweb.ualberta.ca/polisci/index.cfm>

**Dog dreams and parrot petulance - are animals conscious?** Louis D. Hyndman Sr. Lecture and Awards Frontier Ethics & Animal Welfare Guest

Speaker - Jay Ingram. The Louis D. Hyndman Sr. Lecture and Awards celebrate significant contribution by the University of Alberta staff to improving the welfare of animals used in research. The guest speaker this year is Jay Ingram one of Canada's best-known science popularizers. 4 - 5 p.m. Rooms 217/219 Telus Centre. <http://www.uofaweb.ualberta.ca/vpresearch/>

**Tacky Lives, Livable Lives: Linguistic Markets and Queer Identities** Presenter: Chris Samuel, former Co-Host, CJSR Radio's GayWire, freelance writer, and researcher/ Two moments in pop culture (film and television) will be used as starting points for a discussion of tact and intelligibility in articulating queer praxis. Bourdieu's conception of tact as exemplary participation in linguistic markets will be considered with and against Butler's analysis of intelligible subjects Leading livable lives. The goal of this consideration will be to interrogate the possibility and desirability of a normative queer political agenda. The presentation will trouble the tension between political efficacy and the queer goal of destabilizing the very means by which contemporary social movements have been successful. Inside/OUT is a campus-based network for lesbian, gay, bisexual, trans-identified, queer (LGBTQ) and allied faculty, graduate students, academic, and support staff of the University of Alberta. We also invite undergraduate students and interested members of the community to attend. For more information regarding Inside/OUT, please contact Kristopher Wells or Marjorie Wonham or visit <http://www.mailman.srv.ualberta.ca/mailman/listinfo/inside-out> to join the confidential Inside/OUT listserv. 5 - 6 p.m. 7-152 Education North Education Centre. <http://www.uofaweb.ualberta.ca/education/pdfs/InsideOUT200607SpeakersSeriesPoster.pdf>

**Mercenaries: Strong Norm, Weak Law.** Dr. Sarah Percy, Research Associate, Oxford Leverhulme Programme on the Changing Character of War, Oxford University Abstract: The law designed to deal with mercenaries in the 1970s and 1980s is notoriously flawed. It is full of loopholes so problematic that it has never been, and most likely could never be, used to control the use of mercenaries. This paper examines how a strong social norm paradoxically led to the creation of weak anti-mercenary law, and discusses the relationship between social and legal norms. For more information please contact Dr. Malinda S. Smith at [malinda.smith@ualberta.ca](mailto:malinda.smith@ualberta.ca) 492-5380 or Nisha Nath at [nnath@ualberta.ca](mailto:nnath@ualberta.ca) or Department of

Political Science 492-3429. 7 p.m. 105 Law Centre. <http://www.uofaweb.ualberta.ca/polisci/index.cfm>

## OCT 27 2006

**Margaret Scott Wright Research Day** Keynote Speaker - Anita Molzahn, RN, B.Sc.N, MN, PhD. "Nursing Research...Investing in Quality of Life." Please join us for our 20th Nursing Research Day. Check out our website for details of sessions. Registration is required prior to the event and is available on our website. 8 a.m. - 4:30 p.m. Lister Hall. <http://www.nursing.ualberta.ca>

**AHFM Visiting Speaker Presentation** by Cell Biology Heidi McBride, PhD, Associate Professor Department of Pathology and Laboratory Medicine University of Ottawa Heart Institute Title: Mitochondrial SUMOylation, vesicle formation and cell death 12 - 1 p.m. 5-10 Medical Sciences Building. <http://www.ualberta.ca/cellbiology>

**Dr. Steven Aung, "The Art of Medicine"** 12 - 1 p.m. 2-31, Medical Sciences Building. <http://www.med.ualberta.ca/education/ahhm.cfm>

**Living on the Edge: Wolverines in Ontario** Justina Ray, University of Toronto & Director, Wildlife Conservation Society CN, is presenting a seminar on "Living on the Edge: Wolverines in Ontario." 12 p.m. M-145, Biological Sciences Building. <http://www.biology.ualberta.ca/courses/biol631/?Page=4937>

**Energizing the Workplace: Using Your Own Potential!** Join us for the closing ceremony and keynote address for our celebration of Healthy Workplace Week. No matter what position we hold in the university, each of us has the responsibility and ability, to support a workplace environment that helps create a healthy environment. Learn how you can help transform your work environment into a more productive, energized place. 2 - 4 p.m. Stollery Centre, Room 5-04. <http://www.virtualwellness.ualberta.ca/>

**Bears Volleyball** Bears vs. Brandon. 6:30 p.m. Main Gym Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Bears Hockey** Bears vs. Manitoba. 7:30 p.m. Clare Drake Arena Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

**Pandas Volleyball** Pandas vs. Brandon. 8 p.m. Main Gym Van Vliet Physical Education and Recreation Centre. [www.cubsclub.ualberta.ca](http://www.cubsclub.ualberta.ca)

## MANY THANKS to all the prize donors and sponsors!

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Prize winners have been notified by email about procedures to claim their prize.



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# positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPP). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons. With regard to teaching positions: All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. For complete U of A job listings visit [www.hrs.ualberta.ca](http://www.hrs.ualberta.ca).

## UNIVERSITY OF ALBERTA AUGUSTANA FACULTY POSITIONS

The University of Alberta's Augustana Faculty has embarked on a dynamic, multi-year program of renewal and growth. It invites applications in the disciplines indicated below, and expects to make appointments at the rank of Assistant Professor, commencing July 1, 2007.

Augustana Faculty teaches about 1,000 undergraduate students in baccalaureate degree programs on a picturesque residential campus in the city of Camrose, 90 km southeast of Edmonton. The Faculty is committed to building on its reputation for rigorous, high-quality teaching in the tradition of the liberal arts and sciences, and, in doing so, providing a distinctive Augustana Faculty experience for students within one of Canada's leading universities. It seeks to attract promising scholars who will share its enthusiasm for teaching in a small-campus environment, participate actively in a collegial culture of inquiry and public engagement, and flourish as researchers in an undergraduate, interdisciplinary, and rural location.

For all positions, the ability to contribute to areas of interdisciplinary strength and interest for the Faculty will be an asset. Those areas include environmental studies, international development studies, rural and northern studies, and women's studies.

For information about Augustana and particular programs, please consult the Faculty webpage at [www.augustana.ca](http://www.augustana.ca). Inquiries concerning any of the positions in this advertisement should be directed to the Chair of the relevant department.

## BIOLOGY

The Department of Science invites applications for a position in biology. The successful candidate will have a PhD in either microbiology or molecular biology and will be expected to teach courses in both areas. Applicants should be interested in helping to build a high-quality, student-friendly, teaching-oriented biology program that also recognizes the value of research. Chair: Dr. Jonathan Mohr ([jonathan.mohr@ualberta.ca](mailto:jonathan.mohr@ualberta.ca))

## ENVIRONMENTAL SCIENCE/STUDIES

The Department of Science invites applications for a position in environmental science/studies. The successful candidate will contribute to two interdisciplinary programs, a B.Sc. in Environmental Science and a BA in Environmental Studies. Candidates should be able to teach GIS, statistics, and senior courses in a specialty area. Ability to teach related environmental courses (e.g., resource management, freshwater systems, field methods, history, or politics) would be an asset. Applicants should possess or be near completion of a PhD in Environmental Science/Studies, Geography or related field. Chair: Dr. Jonathan Mohr ([jonathan.mohr@ualberta.ca](mailto:jonathan.mohr@ualberta.ca))

# notices

Please send notices attention Folio, 6th floor General Services building, University of Alberta, T6G 2H1 or e-mail [public.affairs@ualberta.ca](mailto:public.affairs@ualberta.ca). Notices should be received by 12 p.m. Thursday one week prior to publication.

## BREAKFAST ROUNDTABLES WITH PRESIDENT SAMARASEKERA

President Samarasekera invites members of the university community to join her for breakfast and an open discussion on issues of interest to the participants. All breakfast meetings will take place from 7:30 a.m. to 8:30 a.m. in the Saskatchewan Room at the Faculty Club.

### Dates for Students:

Thursday, October 5, 2006

Dates for Academic Staff:

Monday, October 30, 2006

Monday, November 27, 2006

Dates for Support Staff:

Friday, October 20, 2006

Monday, December 4, 2006

Dates for Departmental Chairs:

Monday, October 23, 2006

Wednesday, November 1, 2006

Space is limited and pre-registration is required. To register, send an e-mail to: [sheila.stosky@ualberta.ca](mailto:sheila.stosky@ualberta.ca). Students are asked to include their program and year of study. Academic, support staff and chairs are asked to include their faculty or department. The deadline to register is two business days before each breakfast event.

For further information, please contact: Sheila Stosky, Events Coordinator, Office of the President, 492-1525.

## PHYSICAL EDUCATION

The Department of Physical Education invites applications for a position in exercise sciences. The successful candidate will be one of five faculty members in a Physical Education undergraduate degree program that covers two streams: Kinesiology and Sport Studies, and Outdoor Education. Applicants should be interested in helping to develop a teaching-oriented exercise sciences program that also recognizes the value of research. In particular, research interest in exercise physiology and experience in designing, equipping, operating and supervising an exercise physiology laboratory will be an asset. The candidate should have expertise in at least two areas of exercise sciences and be competent to teach a variety of undergraduate classes such as human anatomy, exercise physiology, advanced training methodologies, biomechanics, fitness and aging, and human physiology. Applicants should possess or be near completion of a PhD. Chair: Yvonne Becker ([yvonne.becker@ualberta.ca](mailto:yvonne.becker@ualberta.ca))

All appointments will be made at the rank of Assistant Professor.

Applicants should submit curriculum vitae, including evidence of successful teaching and samples of scholarly work, and arrange to have transcripts and three confidential letters of reference sent to: Dr. Roger Epp, Dean, Augustana Faculty, University of Alberta, 4901-46 Avenue, Camrose, AB, T4V 2R3, Email: [Roger.Epp@ualberta.ca](mailto:Roger.Epp@ualberta.ca)

The Committee welcomes applications at any time and expects to be considering candidates as early as December 2006. Consideration will continue until the position is filled.

## FACULTY OF NURSING CONTRACT POSITION

Seeking a consultant with a background in knowledge translation

A large research team needs periodic advice on knowledge transfer or knowledge translation. This contract position, involving a set fee of \$1,000 per year, is a win-win situation. The successful applicant and the team will both have the satisfaction of knowing that research findings are being used to inform health services planning and health policy. Funding for this work is through a 5-year program of research on rural end-of-life care.

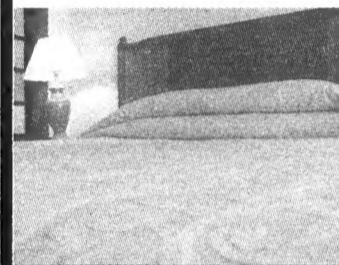
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**UNITED WAY  
2006 CAMPAIGN**

**Cardio Dance Party  
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12:05 – 12:55 pm Main Gymnasium Van Vliet Centre

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**For complete University of Alberta job listings visit:  
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## FSIDA (FUND FOR SUPPORT OF INTERNATIONAL DEVELOPMENT ACTIVITIES)

The deadline for receipt of applications to the FSIDA is 4:30 PM, October 16, 2006.

This Fund exists to enable staff and graduate students of the University of Alberta to participate in the international transfer of knowledge and expertise and graduate research through partnerships in developing countries.

Applications and guidelines are available on the University of Alberta International website [www.international.ualberta.ca](http://www.international.ualberta.ca) or from the FSIDA Secretary at University of Alberta International, 1204 College Plaza, 8215-112 Street, telephone 492-2391.

## TEACHING LEARNING AND ENHANCEMENT FUND

In direct support of Dare to Discover: A Vision for a Great University and the learning discovery and citizenship cornerstones, the Teaching and Learning Enhancement Fund has been created to improve teaching and learning effectiveness.

The purpose of this fund is to enable all persons engaging in teaching at the university to improve their teaching skills, enhance their understanding of teaching and learning processes, and provide environments that increase student learning.

Terms of reference and application forms are available from the Office of the Provost and Vice-President (Academic) website at <http://www.uofaweb.ualberta.ca/provost/tlef.cfm>.

The deadline for receipt of applications for "Projects" is Monday, October 16, 2006.

An information session about the Teaching.

and Learning Enhancement Fund will be held at 2 p.m. on Monday, Sept. 11, 2006, Room 134, Telus Centre. The funding criteria and application process will be reviewed at this session.

## INVITATION TO SUBMIT NOMINATIONS FOR 2007 3M TEACHING FELLOWSHIPS

The Society for Teaching and Learning in Higher Education (STLHE) and 3M Canada continue "to reward exceptional contributions to teaching and learning at Canadian universities" by sponsoring this national award. The Academic Awards and Ceremonies Office wishes to alert you to the nomination deadline and criteria for the 2007 3M Teaching Fellowships.

This year's nomination timing is different in that the external deadline is Nov. 17, 2006 (Concordia University) and the internal deadline is noon, Oct. 27, 2006 (Academic Awards and Ceremonies Office). The explanation for the two deadlines is to allow us to arrange to have the provost and vice-president (academic) provide a letter of support (Item 3.0 in the Nomination Package) or have him co-sign with the dean or nominator, and to courier the dossiers to Concordia University.

The Nomination Package and Guide for Preparing a Nomination may be accessed at the 3M Fellowship website ([www.mcmaster.ca/3Mteachingfellowships/index2.html](http://www.mcmaster.ca/3Mteachingfellowships/index2.html)) as well as from staff at the Academic Awards and Ceremonies Office.

For further information and assistance please contact Bente Roed ([bente.roed@ualberta.ca](mailto:bente.roed@ualberta.ca)) or Laura Connell (492 2449).

# ads

Ads are charged at \$0.65 per word. Minimum charge: \$6.50. All advertisements must be paid for in full by cash or cheque at the time of their submission. Bookings may be made by fax, mail or email provided payment is received by mail prior to the deadline date. Pre-paid accounts can be set up for frequent advertisers. Please call 492-2325 for more information.

## ACCOMMODATIONS FOR RENT

REAL ESTATE – Buy or Sell, Leases (furnished/unfurnished). Janet Fraser or Gordon W.R. King. Telephone: (780) 441-6441, [www.gordonwrking-assoc.com](http://www.gordonwrking-assoc.com) Gordon W.R. King and Associates Real Estate Corp.

PARK TOWERS - 1 bedrm condo with river valley view from living room as well as atrium. Fully furnished. Available immediately. \$1,400/mth including all utilities except phone and cable. Call Janet Fraser for showings (780) 441-6441. Gordon W.R. King & Assoc. Email [jennfra@interbaun.com](mailto:jennfra@interbaun.com).

EXQUISITE VIEW FROM A MAGNIFICENT BUILDING – Fully furnished executive 2 bedroom plus den condo. \$2,500/mth includes water, gas, power, u/g heated parking. Available immediately. Call Janet Fraser for showings (780) 441-6441. Gordon W.R. King & Assoc. Email [jennfra@interbaun.com](mailto:jennfra@interbaun.com).

DUGGAN NEAR U OF A, FULLY FURNISHED BUNGALOW – 2 bedroom/2 bath plus office. Formal living/dining room, renovated kitchen which opens into family room with eating area. New hardwood floors. Home is beautifully landscaped and set up for a professional couple or a single person. \$1,500/mo. Available immediately to March 31/2007. Call Janet Fraser for showings (780) 441-6441. Gordon W.R. King & Assoc. Email [jennfra@interbaun.com](mailto:jennfra@interbaun.com).

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SEEKING HOUSEMATE: Gorgeous three-bedroom to share with young professional woman. Prefer grad student, professor, or young professional. \$550 includes heat, water, electricity and wireless Internet. Nancy: 966-2120.

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## ACCOMMODATIONS FOR SALE

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421-4540

NORTH

12924 – 97 St.  
473-2355

EAST

Capilano Mall  
(outside entrance by Safeway)  
450-6880

Millwoods Main Street Mall  
6558 – 28 Ave. (by Tim Horton's)  
440-2812

6839 – 83 St. (Argyll Rd.)  
465-5271

SOUTH

6031 Gateway Blvd.  
438-2355

9128 – 51 Ave.  
438-5114

Southgate Centre  
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Southgate Centre  
439-0435

South Edmonton Common  
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8921 – 112 St.  
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# Art for charity's sake

**Kids create artworks to raise funds for global charity**

By Zoltan Varadi

A lively afternoon at the TransAlta Arts Barns filled with African drummers, balloon animals, a yo-yo artist and lots and lots of art added up to big smiles, both near and afar.

The University of Alberta Bookstore, in conjunction with the charity Global Minds, held their first, but likely not last, Kids Helping Kids benefit at the end of September, raising enough money to send a dentist to South America to treat children in need.

The genesis of the event actually took place earlier this summer, around the time the U of A Bookstore was hosting its first summer art camp for talented teens.

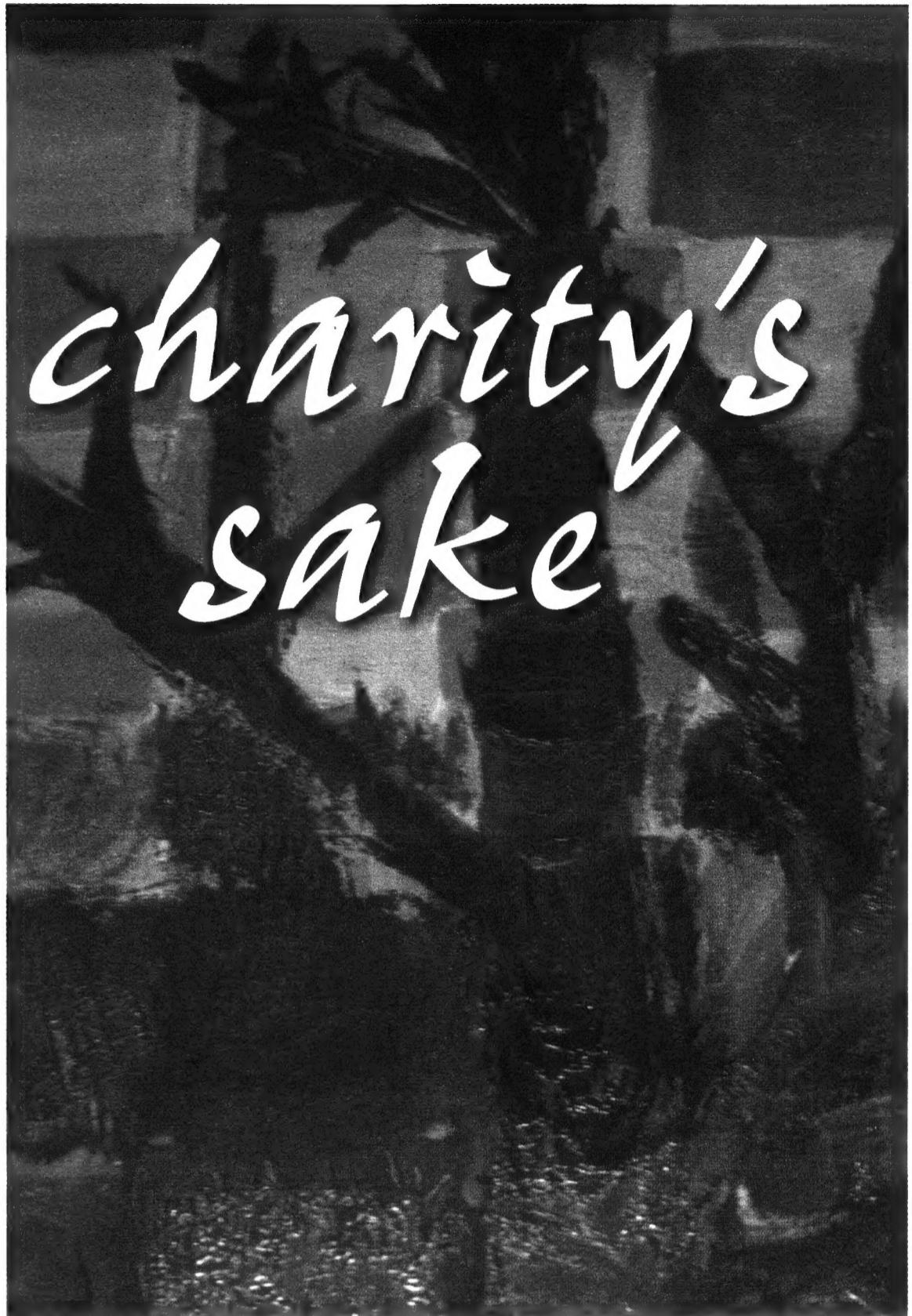
"I got to talking to Jenny Seer, the founder and president of Global Minds," said bookstore special events coordinator Melissa Hande. "We discussed art and the children in Ecuador who she had worked with through Global Minds. She also works with kids here who have various disabilities, including one little boy in particular who was a savant. We got to talking about kids and art and one of the things that the bookstore has been trying to do is to reach out to the community."

The resulting collaboration involved sponsoring 14 junior and senior high school students to work with five different local artists in five different mediums to create artwork for the silent auction component of the Kids Helping Kids benefit.

"The kids worked on something for themselves but also with the idea that they would work on something for this, and some of them donated even more artwork for this particular fundraiser," said Hande.

Hande says all were pleased with the success of the inaugural event and hope to use it as a springboard for future fundraisers.

"We had kids bidding on some of the pieces as well; even if they had five bucks on it, we thought that was great. We made enough to send a dentist down, and that was one of the goals of Global Minds." ■



Tree by Amanda Anderson.



Isokan Afrika pounds out the beats.



Julia Sepkowski-Cook with her wire sculpture of a face.



Balloon artist "Arjay the Fool" (Roger Jorgenson) entertains and delights.

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